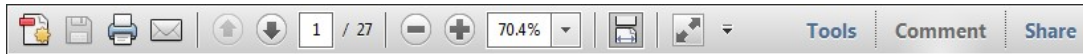
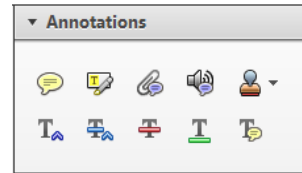


Once you have Acrobat Reader open on your computer, click on the [Comment](#) tab at the right of the toolbar:



This will open up a panel down the right side of the document. The majority of tools you will use for annotating your proof will be in the [Annotations](#) section, pictured opposite. We've picked out some of these tools below:



1. Replace (Ins) Tool – for replacing text.

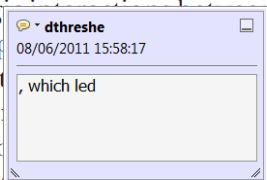


Strikes a line through text and opens up a text box where replacement text can be entered.

How to use it

- Highlight a word or sentence.
- Click on the [Replace \(Ins\)](#) icon in the Annotations section.
- Type the replacement text into the blue box that appears.

standard framework for the analysis of microeconomic activity. Nevertheless, it also led to the development of a new paradigm of strategic behavior. The number of competitors in the industry is that the structure of the industry is a key component of the main components of the industry. At the microeconomic level, are exogenous variables important? (M henceforth) we open the 'black b



2. Strikethrough (Del) Tool – for deleting text.



Strikes a red line through text that is to be deleted.

How to use it

- Highlight a word or sentence.
- Click on the [Strikethrough \(Del\)](#) icon in the Annotations section.

there is no room for extra profits as mark-ups are zero and the number of firms (net) values are not determined by market structure. Blanchard ~~and Kiyotaki~~ (1987), perfect competition in general equilibrium. The effects of aggregate demand and supply shocks in the classical framework assuming monopoly. An exogenous number of firms

3. Add note to text Tool – for highlighting a section to be changed to bold or italic.



Highlights text in yellow and opens up a text box where comments can be entered.

How to use it

- Highlight the relevant section of text.
- Click on the [Add note to text](#) icon in the Annotations section.
- Type instruction on what should be changed regarding the text into the yellow box that appears.

dynamic responses of mark-ups are consistent with the VAR evidence

sation of the industry. The number of competitors and the impact of demand shocks on the industry structure is that the structure of the sector



4. Add sticky note Tool – for making notes at specific points in the text.



Marks a point in the proof where a comment needs to be highlighted.

How to use it

- Click on the [Add sticky note](#) icon in the Annotations section.
- Click at the point in the proof where the comment should be inserted.
- Type the comment into the yellow box that appears.

and supply shocks. Most of the industry structure is that the structure of the sector



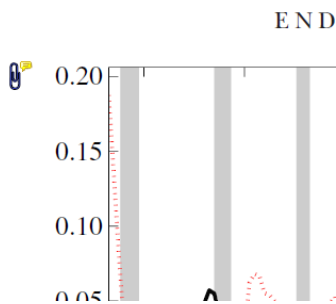
5. Attach File Tool – for inserting large amounts of text or replacement figures.



Inserts an icon linking to the attached file in the appropriate place in the text.

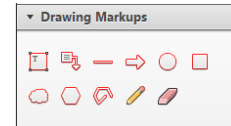
How to use it

- Click on the **Attach File** icon in the Annotations section.
- Click on the proof to where you'd like the attached file to be linked.
- Select the file to be attached from your computer or network.
- Select the colour and type of icon that will appear in the proof. Click OK.



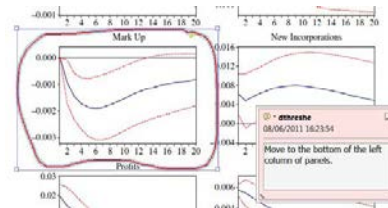
6. Drawing Markups Tools – for drawing shapes, lines and freeform annotations on proofs and commenting on these marks.

Allows shapes, lines and freeform annotations to be drawn on proofs and for comment to be made on these marks.



How to use it

- Click on one of the shapes in the Drawing Markups section.
- Click on the proof at the relevant point and draw the selected shape with the cursor.
- To add a comment to the drawn shape, move the cursor over the shape until an arrowhead appears.
- Double click on the shape and type any text in the red box that appears.





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The impact of Labov’s contribution to general linguistic theory

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The paper first discusses the influence of Labov on certain recent Chomskyan developments, starting from an identification of two radically different readings of the relationship between Labovian variationist sociolinguistics and the dominant theoretical paradigm of the latter half of the 20th century which is Chomskyan theoretical linguistics, i.e. as either a supplement or an alternative. Variation at the level of closely related languages, at the level of the language community, and at the level of the individual, have all been treated by Chomskysians under various headings, thus giving evidence that empirical results stemming from variationist sociolinguistics cannot be ignored. However, the treatment has not led to an integration of variation into Chomskyan theory, nor could it. In the final section we outline what a Labovian materialist alternative to Chomskyan idealism could be. We argue that this calls for a broader definition of sociolinguistics than just variationism and poses demand for both *internal integration*, viz. of linguistic disciplines, and *external integration* of the language sciences with evolutionary psychology, anthropology and social history.

Dit artikel bespreekt de invloed van de Laboviaanse variationistische sociolinguïstiek op de Chomskyaanse generatieve grammatica als het dominante theoretische paradigma in de laatste helft van de 20e eeuw. We identificeren eerst twee radicaal verschillende lezingen die tussen beide disciplines mogelijk zijn, namelijk of de variationistische sociolinguïstiek een aanvulling of een alternatief is op de generatieve grammatica. De generatieve grammatica bestudeert op dit moment variatie op het niveau tussen taalvariëteiten die typologisch gezien minimaal van elkaar verschillen, variatie op het niveau van de taalgemeenschap en op het niveau van het individu en toont daarmee dat empirische data uit de sociolinguïstiek niet langer te negeren zijn. Desondanks leidt de analyse van empirische data niet tot een integratie tussen de variationistische sociolinguïstiek en de generatieve grammatica en dit is volgens ons ook niet mogelijk. In de laatste sectie presenteren we wel hoe een Laboviaans materialistisch alternatief op het Chomskyaanse idealisme eruit zou kunnen zien. We beargumenteren dat een bredere definitie van de sociolinguïstiek, dan alleen de variationistische sociolinguïstiek nodig is en stellen een interne integratie voor van linguïstische disciplines en

1 externe integratie van de taalwetenschappen waaronder evolutionaire
2 psychologie, antropologie en sociale geschiedenis.[Dutch]

3
4 KEYWORDS: Variationist sociolinguistics, materialist vs. idealist
5 perspectives and approaches, models of level of data and theory,
6 sociolinguistic variable, linguistic fact, micro-variation, methodologies,
7 empirification of generative grammar, integrated theory of language
8

10 1. INTRODUCTION

11 Our assignment is this: what is Labov's contribution to general linguistic
12 theory and how has he influenced the theoretical character of linguistics as a
13 whole? In this question, the notion 'general linguistic theory' is not self-
14 explanatory.¹ Thus, we must begin by explaining in what sense Labov has
15 contributed to what kind of theory.
16

17 A general linguistic theory may be taken to consist of at least the following
18 elements (Gregersen and Køppe 1988): a stance as to what ontological status
19 the object of enquiry – in this case language – has, and a set of assumptions
20 and assertions leading from that to:
21

- 22 • a delimitation of the field of enquiry, thus characterizing possible types of
23 data;
- 24 • a specification of the central questions to be answered or issues to be
25 investigated; and
- 26 • a characterization of the methods favored in addressing the issues
27 scientifically.

28 Any specification of method and data implies a stance on the theory of science,
29 viz. what is recognized as valid ways of doing research on language.

30 From this perspective, what William Labov has contributed is a set of
31 generalizations and insights firmly based on data collected and analyzed by
32 methods developed by Labov himself – albeit based on prior developments
33 within dialectology and anthropology – into how language changes; in
34 particular, sound change. Labov was encouraged by Uriel Weinreich as his
35 doctoral supervisor 'to apply the tools of linguistics to the language of every-day
36 life, and to set aside the barriers between linguistic analysis and dialectology'
37 (Labov 1998: 111). The paradigmatic nature of Labov's first foundational work,
38 i.e. *The Social Stratification of Language in New York City* (1966), is obvious.
39 Suffice it to say that establishing a firm empirical basis for a theory of sound
40 change, for so long the province of historical linguistics (always focused on
41 written materials from distant epochs) and/or dialectology (always primarily
42 concerned with rural speech), is a significant achievement in and of itself.
43
44

Table 1: Seven levels of data and theory (reworked from Gregersen 2000)

Level	Description
1. RAW DATA	<i>Sensory input</i> , e.g. sounds.
2. DATA	<i>Theory laden percepts</i> , e.g. elements of a phonetic (IPA) transcription.
3. THEORY 1	<i>Ordering of theory laden percepts</i> from a specific point of view, e.g. a phonological analysis.
4. THEORY 2	<i>Discipline specific theory</i> , e.g. a sociolinguistic theory of language change.
5. THEORY 3	<i>Superordinate, but still object specific, theory</i> , e.g. a structuralist theory of language.
6. THEORY 4	<i>Interdisciplinary theories</i> valid for a whole field, e.g. a structuralist theory for all of the human sciences.
7. THEORY 5	<i>World view</i> formulated using traditional dichotomies, e.g. materialism vs. idealism; rationalism vs. romanticism, etc.

But is that all we should ask from a general linguistic theory, i.e. a theory of language? Surely not. At this point, it may be helpful to introduce the seven-layered model of the levels of data and theory, illustrated in Table 1, which the second author collaborated with Simo Køppe in developing years ago for other purposes (Gregersen 2000). In an ideal world, a theory would be consistent on all levels – a materialist theory of language would delimit a different field of study to an idealist one. Briefly, a materialist theory would open the field of linguistics such that any statements on language should, in principle, comply with ‘known facts’ from e.g. neurology, memory research and other cognitive psychological insights on the one hand, and with ‘known facts’ from sociology and history on the other. Idealism would, in contrast, favor the autonomy thesis so influential since Saussure, i.e. that language, as such, is a decontextualized separate structure. Issues raised as *desiderata* to be addressed would also differ profoundly: whereas idealism is connected to the individual (grammar) and takes ideas (or abstract language structures) to be the leading driving forces in history, materialism takes the contradictions between the forces of production and social structures to be the essential conditions for change, including – in this case – language change (we will come back to this in section 6).

1.1 Labovian (variationist) sociolinguistics and Chomskyan generative linguistics

We will, below, investigate how Labov’s contribution – fleshing out a materialist perspective on language – has interacted with Chomskyan idealist linguistic theory. There are several reasons to focus on Chomskyan theory as *the general linguistic theory* to be discussed in this paper. First, instead of presenting – forced by the word limits of this paper – a brief and necessarily

1 superficial view on convergence, divergence and connections between
2 sociolinguistics and all other linguistic theories possible, we choose instead
3 to detail the relationships to the one linguistic theory that universally is
4 considered to be the most influential of the latter half of the 20th century.
5 Second, if William Labov (2002) took a stance on other linguistic theories, he
6 most often, if not always, positioned himself towards Chomskyan linguistics
7 from the perspective of variationist sociolinguistics. Last, but not least, the first
8 invited author is a syntactician who has worked extensively within both the
9 Chomskyan and the Labovian paradigm.

10 The paper will deal mainly with *variationist* sociolinguistics since we will
11 argue that Labov's theory and practice has had a major effect on work in
12 syntactic theory, through the development of methodologies focused on micro-
13 variation. The final section, however, will elaborate on the need for a broader
14 and more encompassing sociolinguistic theory including parts of the field
15 which may not be seen as variationist by any standard, even types of
16 linguistics which are not seen as sociolinguistics at all.

17 Our point of departure has repercussions for the view taken in this paper on
18 how to answer the introductory question as to William Labov's influence. We
19 are left with two alternatives:

20
21 The idealist approach is exemplified by generative grammar, as originated and
22 developed by Chomsky (1957, 1965) (...). The materialist position is exemplified
23 by the practice current in phonetics, historical linguistics, and dialectology. The
24 principles of this position have been developed most explicitly in sociolinguistics,
25 and in particular in the quantitative study of linguistic variation (...). (Labov
26 1987)

27 Thus, one choice is siding with the two alternatives and Labov's revolutionary
28 view on it:

29
30 The two approaches, idealist and materialist, differ sharply in their approaches to
31 the foundations of the field: definition of language itself, the methods for
32 gathering data and analyzing it, and the goals of linguistic activity. (Labov 1987)

33 This would lead to the elaboration of sociolinguistics as an *alternative to*
34 Chomskyan theory, viz. a materialist alternative to the idealism admittedly
35 characteristic of Chomskyan theorizing. However, the more appealing
36 alternative from the point of view of Labov's *influence outside his own field*,
37 i.e. on theoretical linguistics, is rather to side with the ecumenical stance taken
38 by Labov in a number of more recent papers. Here, Labov voiced the notion
39 that the materialist and idealist approach each contribute to an understanding
40 of the general phenomenon of human language, as follows:

41
42 Among the paths that linguists follow in pursuit of a better understanding of
43 human language, we can trace two main branches.
44

1 THE SEARCH FOR UNIVERSAL GRAMMAR [. . .]

2 UNDERSTANDING LANGUAGE CHANGE.

3 (Labov 2012: 4)

4
5 Even more recently, he expressed this in a clip from an interview with Sali
6 Tagliamonte:

7
8 There's only one serious mistake you can make in Linguistics, which is fatal and
9 once you've made it, you're finished. Sali: What's that? Bill: To think that
10 Chomsky's the problem. If you get rid of Chomsky you've suddenly solved
11 something. (Tagliamonte 2015: 81).

12 Accordingly, the train of thought in this paper is as follows. We first explain why
13 there was indeed no alternative to Chomsky as a theoretician and detail the
14 Labovian stance on data and methodology. Then we tell the story of how
15 Labovian insights and methods have gradually seeped into Chomskyan
16 theorizing and – primarily – practices. It started with accounting for *variation*
17 *between languages* attempting to elaborate on the Universal Grammar hypothesis.
18 This initial comparison between whole languages, viewed essentially as
19 abstractions of individual grammars, developed into the micro-syntactic
20 enterprise of comparing *minimal differences between typologically closely related*
21 *languages* and finally to *differences within a language* (dialect differences) and
22 eventually to *intra-individual variation*. This is, then, a story about how the central
23 Labovian notion of variation has made its way into mainstream theoretical
24 linguistics: Labov's contribution, both his ideas on (1) how to elicit dialect data,
25 i.e. data that are normally excluded from (national) standard languages, and (2)
26 the sociolinguistic variationist knowledge about minimal dialect differences
27 within a language, have, as we show, been an inspiration to those working in
28 syntactic micro-variation research. Our story details how the study of Labovian
29 variation challenged received wisdom as to what linguistic facts are and which
30 conception of the individual's grammar should be the point of departure for solid
31 empirical work. The story might also be phrased as the gradual empirification of
32 armchair linguistics under the pressure of linguistic evidence.

33 The issues which Labov (1972, 1975, 1984, 1996) has himself brought to
34 general linguistic theory in his discussions with the Chomskians were and are:

- 35
36
37 1. The definition of a linguistic fact.
38 2. The methods for gathering data.
39 3. The theoretical instantiation of inter- and intra-individual variation.

40 This paper will be structured around these three topics, where the idealist and
41 materialist positions differ most profoundly, until the end when it takes up the
42 challenge of being more explicit about what a general materialist alternative
43 would look like (see section 6).
44

2. THE ORIGINAL LANDSCAPE OF LABOVIAN SOCIOLINGUISTICS: BACK TO THE 60S

In this section, we will address the question of why Labov did not develop an alternative linguistics since his intent never was to create a sociolinguistics.

The pedigree of variationist sociolinguistics has been explicitly laid out first and foremost in the programmatic 1968 paper by Weinreich, Labov and Herzog. In this paper, Hermann Paul is treated as the only opponent worthy of thorough discussion. It is noteworthy that Weinreich (who wrote the first section) dismissed Saussure as irrelevant although he himself might be placed directly in the line of succession from Saussure to Meillet and on to Martinet who was Weinreich's doctoral supervisor. Martinet even wrote the important preface to Weinreich's celebrated *Languages in Contact* (Weinreich 1953 [1967]).

The choice of the Neogrammarian Hermann Paul as the favorite ancestor is, however, not accidental. The inheritance from the Neogrammarians includes:

- the interest in language change;
- the empirical slant of their approach to theorization and, consequently;
- the obligation to search for possible generalizations.

In addition, Neogrammarian historical linguistics was the first scientific linguistics to be introduced to the U.S.A. and, thus, has formed the background for every succeeding wave of theory. In the early 20th century, historical linguistics was replaced by structural linguistics as the main current in American linguistics through the work of the Bloomfield generation (Hymes and Fought 1981). In contrast to European structuralism, the American current of the same name was mainly descriptive, inductive and behaviorist. So when the so-called Chomskyan revolution discarded structuralist thinking in general and so to speak turned American structuralism on its head, favoring a deductive, theoretical approach and model building instead of description (Ruwet 1968), the only niche left for sociolinguistics in the family of American linguistics was that of an *empirical synchronic study of language change*. By synchronic we mean dynamic, hence the apparent time model of linguistic change. The methods adopted were taken from anthropology and dialectology, and were combined to result in a detailed prescription for field work (Labov 1984) leading to spoken language data replete with variation. This was the challenge for early sociolinguistics, and we argue it still is: how do we account for the various kinds of variation between speakers (interspeaker variation) and within the same speaker (intraspeaker variation) that we find in the data?

It is a fact of particular historical irony that the generation of leftist American scholars from the late 1960s would form a tight-knit group of idealist revolutionaries promoting precisely *idealism*, i.e. mentalism, in linguistics. Chomsky and his followers were undeniably leftists engaged in fierce resistance to the Vietnam War. The, at the time, long awaited volume of

1 *Readings in Transformational Grammar*, edited by Jacobs and Rosenbaum and
2 finally published in 1970, bore the dedication: ‘To the children of Vietnam
3 1945–19??’. But within linguistics their program was, as Labov has precisely
4 characterized it, idealist in contrast to his own materialist stance (Labov 1987;
5 see above).

6 But then why was Labovian linguistics placed as a separate discipline, one of
7 the two hyphen-disciplines of socio- and psycho-linguistics? Labov expressly
8 stated that ‘I have resisted the term sociolinguistics for a long time since it
9 seems to imply that there can be a successful linguistic theory or practice
10 which is not social’ (Labov 1972 [1982]: xix).

11 One answer is that the publication of *The Social Stratification of English in*
12 *New York City* in 1966 attracted the attention of empirically minded
13 linguists trained in dialectology (e.g. Peter Trudgill, J.R. Chambers, and
14 countless others). The prevailing climate of opinion, more or less created
15 by the Chomskyans in debates since the publication of Chomsky’s *Syntactic*
16 *Structures* in 1957, was, however, that descriptivism, as in the case of
17 American structuralism, was simply uninformative butterfly collecting if it
18 was not guided by a general theory. Thus, linguistics henceforth was to be
19 concerned with the general and abstract study of the organization of
20 individual grammars reflecting universal principles. Only in this way could
21 the highest goals of the enterprise of linguistics, explanatory adequacy, be
22 fulfilled. Thus, we have a self-styled revolutionary approach centering on
23 the individual and his or her tacit competence as revealed by introspective
24 judgments on the limits of the language L, versus the painstaking
25 collection of ‘performance’ data from a number of informants in order to
26 reveal the hidden social structure behind apparent chaos. As Labov has
27 recently put it:

28
29 Efforts to understand human language may be sharply divided into two distinct
30 undertakings. Both spring from an acknowledgment that language, like the
31 species that uses it, had a single origin. Given this perspective, one task is to
32 discover those constant properties of language that reflect the innate biological
33 endowment of the human species – the language faculty. The other, equally
34 challenging, task is to discover the causes of the present diversity among the
35 languages of the world. (Labov 2010a: 4)

36 The burning question lurking behind this formula of a sharp division is
37 whether the two kinds of study could in fact be united, either as a materialist or
38 an idealist endeavor. The jury is still out on that.

41 3. WHAT IS A LINGUISTIC FACT?

42 One of the differences between an idealist (Murray 1994: Chapter 9) and a
43 materialist conception of language has to do with data, i.e. the issue of which
44 data constitutes a linguistic fact. Like all other facts, linguistic facts must be

1 fixed or permanent entities, so that they allow retrieval, inspection,
2 questioning and evaluation. When linguistics at the beginning of the 19th
3 century was founded as a science, the only available permanent data were
4 written. This tallied with the historical nature of the enterprise. The aim was to
5 establish first the family connections between languages and genealogical
6 relationships among languages (Collinge 1995). This led to the need for an
7 idealized standard, e.g. *the* Greek or *the* Old Icelandic language, represented
8 with a capital 'L' (although the earliest documents showed clear variation;
9 Berg 2014). This tallied all too well with the Herderian notion of an essential
10 nexus of language, ethnicity and culture, an idealist notion of a language if
11 ever there was one.

12 The antidote to Herderian idealism was the irreversibly materialist character
13 of sound, cf. the famous quote by Karl Marx and Friedrich Engels from *The*
14 *German Ideology*:

15
16 From the start the 'spirit' is afflicted with the curse of being 'burdened' with
17 matter, which here makes its appearance in the form of agitated layers of air,
18 sounds, in short, of language. (Marx and Engels 1845–1846: 11)

19 But phonetic analysis developed only slowly until it became the focus with the
20 neogrammarians in the 1860s. Shortly before, Schleicher had proposed to go
21 beyond the oldest attested facts and actually construct the posited Indo-European
22 *Ursprache*. Schleicher's (re)constructions were all marked with an asterisk (*)
23 since they were unattested forms. This is then the unstable compromise reached
24 by the Neogrammarian theoretician *par excellence*, Hermann Paul, and treated at
25 length by Weinreich, Labov and Herzog: a methodological focus on sound
26 changes coupled with an idealist conception of language.

27 The distinction between a descriptive linguistics and a theoretical one was the
28 cornerstone of the so-called Chomskyan revolution (Murray 1994). The
29 revolution changed linguistic practice from inductive descriptivism to model
30 building based on, *inter alia*, non-attested facts (Ruwet 1968). Idealist
31 approaches have consistently favored data drawn from the linguist him- or
32 herself. The attested facts were/are the utterances which could be agreed upon as
33 possible within the language L. The non-attested facts – which inherited the
34 Schleicherian asterisk – were now supposedly non-possible utterances. In order
35 to be able to grasp the inner form of the language L, we have to stipulate what is
36 outside the language L. And no amount of attention to what people actually utter
37 will be of any assistance in this quest, precisely because impossible utterances
38 will never be uttered. Hence, we have to hypothesize; hence, the asterisks.

39 In addition to introspective data, however, the Chomskyan revolution added
40 a new type of behavioral data, i.e. *judgments* about which sentences are
41 impossible, marginal, or questionable and the collection of such judgmental
42 data has been progressively refined (cf. Sprouse, Schütze and Almeida 2013).
43 We have access to principled methods of testing whether speakers accept
44

1 or reject a given set of utterances (and we even have convincing evidence now
2 that such judgmental data need not square with behavioral data from the
3 same speakers; Buchstaller and Corrigan 2011).

4 Labov clearly states that introspective data or intuitions about language
5 have formed the basis for much of linguistics because in very many cases no
6 members of speech communities, not even linguists, disagree about whether a
7 given sentence is a possible utterance or not (Labov 1975: 79). Matters become
8 more involved when we reach levels of fine-grainedness which have been
9 singled out for attention one way or the other. Here intuitions fail, or in
10 Labov's words: 'very few linguists are interested in grammar which is universal
11 but wrong' (1975: 77).

12 Newmeyer (2013: 80–81) recently addressed the question of why so many
13 linguists do not avail themselves of the linguistic resources of ordinary speakers
14 and answers that this is partly due to the small size of many of the corpora that
15 are used. He further argues that if corpora get large enough, they may actually
16 be used as data. This stance is a very recent one and may not be universally
17 accepted since, even if there were large enough (speech recording) corpora
18 available, robustly Chomskyan linguists do not see these observational data as
19 an asset because:

- 20 a. they do not readily permit immediate comparison and analysis of various
21 syntactic variants relevant for theoretical considerations;
- 22 b. they do not always show up in interaction with other relevant syntactic
23 variables predicted by theoretical concerns to do so;
- 24 c. they do not allow one to derive a scale of grammaticality concerning a
25 given phenomenon;
- 26 d. they rarely provide complete paradigms; and
- 27 e. by definition, they have nothing to say about impossible or
28 ungrammatical structures (Barbiers, Cornips and Kunst 2007).

29
30
31 However, following Newmeyers' line of argument at least one of the
32 objections above may be addressed – statements about the impossibility of
33 certain constructions may be falsified: if it is in the corpus files it is by
34 definition possible. It does not take much futurologist capacity to predict
35 that corpora will indeed grow larger every year until even spoken language
36 corpora are monstrously large – written language corpora have already
37 attained this status. Hence, the expansion of the storing capacity of
38 computers will be instrumental in bringing about an empirical turn in the
39 study of language on a par with that of the tape recorder for the study of
40 speech.

41 But the effects will not necessarily be that the theory of language directing
42 such an empirical turn will be a variationist or even a broadly sociolinguistic
43 one. The most likely outcome is rather that of a descriptive, inductive
44 approach based on traditional categories such as parts of speech and

1 neglecting to contextualize results in any other way than statistically. The
 2 sheer immensity of numbers is supposed to make up for the loss of theoretical
 3 innovation.
 4

5 **4. THE VARIABLE RULE AND QUANTIFICATION: PHONOCENTRISM AND** 6 **ITS CONSEQUENCES** 7

8 One of Labov's major contributions to general linguistic theory although not
 9 taken up by Chomskyan linguistics (see later section 4), was the concept of the
 10 *variable rule* and quantification of the data. Labov argued that
 11

12 The ability of human beings to accept, preserve, and interpret rules with variable
 13 constraints is clearly an important aspect of their linguistic competence or
 14 language. But no one is aware of this competence, and there are no intuitive
 15 judgments accessible to reveal it to us. Instead naïve perceptions of our own and
 16 others behavior is usually categorical, and only careful study of language in use
 17 will demonstrate the existence of this capacity to operate with variable rules.
 18 (Labov 1972: 226)

19 Labov introduced the concept of the variable rule as an extension of the
 20 optional rules in Chomskyan theory to include social and stylistic variation in
 21 language descriptions. A résumé of the process could be as follows (taken from
 22 Cornips and Corrigan 2005a and references cited there): the first aim is to
 23 identify a representative sample of speakers and to record them under
 24 reasonably controlled conditions. After that, systematic analysis of a
 25 substantial quantity of the data takes place. Second, the identification of
 26 tokens, i.e. syntactic variants, for example a structure without copula BE and a
 27 variant with copula BE must be specified by the Principle of Accountability,
 28 that is, the total number of occurrences and the envelope of potential
 29 occurrences, i.e. the range between 0 and 100 percent in the variable
 30 environment, must be noted (Weinreich, Labov and Herzog 1968: 70). This
 31 principle guarantees that the entire range of variability between presence of
 32 copula BE 'I was small' and its absence 'He fast in everything he do' in the data
 33 will be dealt with (cf. Labov 1969: 717, for the examples).
 34

35 In addition, the Synonymy Principle presupposes that tokens which have
 36 been identified as variants, i.e. 'I was small' and 'He fast', are indeed equivalent
 37 with regard to referential meaning; i.e. 'alternate ways of saying "the same"
 38 thing' (Labov 1972: 118). The final objective is then to use the resultant
 39 figures in a sociolinguistic analysis of the data to classify linguistic and social
 40 factors in the environment which affect the distribution of variants.

41 The definition of the sociolinguistic variable fits the conditions of phonetics
 42 perfectly: on the one hand, the definition of the sociolinguistic variable respects
 43 structuralist principles differentiating phonemes by precisely delimiting which
 44 differences make a difference. On the other hand, the variants carry no
 cognitive but social meaning and thus are duly noted.

1 However, it is highly debatable whether the notion of the sociolinguistic
 2 variable may be exported unchanged to other systems, viz. syntactic and –
 3 obviously – semantic ones. Thus, instead of studying the social life of signs (the
 4 original definition of Saussurean semiotics), variationist sociolinguists limit
 5 themselves to studying only the expression side of the sign. When reading
 6 through the majestic three volumes on the principles of linguistic change by
 7 Labov, it becomes surprisingly obvious that they treat only sound change. But
 8 sound change will have an intricate connection to morphological change,
 9 syntactic change and even pragmatic change and changes in genres and
 10 discourse structures. Thus, the very definition of the centerpiece of
 11 sociolinguistics has to be revised in order for it to take center stage in a broader
 12 study of language change as changes within subsystems and the repercussions of
 13 these changes for other parts of the general system (see section 6).
 14

15 **4.1 The problems with the syntactic variable**

16 The variationist sociolinguistics model thus assumes that the human language
 17 faculty accommodates and continuously generates language variation and
 18 change, and that the workings of grammar may have a quantitative and non-
 19 categorical, i.e. variable, component. However, although variationist
 20 sociolinguistics still maintains the methodological practices as outlined
 21 above, it in fact rarely uses the concept of variable rules any longer (Fasold
 22 1991) due to problems related to semantic and pragmatic conditioning of the
 23 variants to be identified.
 24

25 The following problems arise. If we take equivalence of cognitive meaning as the
 26 guiding principle, operationalization in syntax seems fairly unproblematic when
 27 we are concerned with 'low level' morphological variation such as the *was/were*
 28 variation as in example (1) from Buckie English (Adger and Smith 2005: 156):
 29

- 30 (1) a. I thoct you *were* a diver or something
 31 b. I thoct you *was* a scuba diver

32 Problems arise, however, in the case of so-called 'high' level variables (cf.
 33 Cornips and Corrigan 2005a), for obvious frequency problems are
 34 compounded by issues relating to pragmatic and semantic conditioning. This
 35 is the case with the remote present perfect *BIN* in African American
 36 Vernacular English (Labov 2012: 60):
 37

- 38 (2) She *BIN* married

39 Labov reports that Rickford (1975) found that white listeners interpret (2) as
 40 related to (3) with the contracted auxiliary *has*:

- 41 (3) She's been married

42 However, 23 out of 25 African American respondents report that (2) is *not*
 43 related to (3) but has different combinations of meanings such as:
 44

- 1 ● This statement is true.
- 2 ● It has been true for a long time.
- 3 ● It is still true.

4 Labov (2012: 60) noted that the workings of this grammatical feature ‘come
5 from observations of social interaction. In most uses of BIN, it is obvious that
6 it cannot be derived by deletion of have or has’. Labov concluded that the
7 two groups of speakers – African American respondents and white listeners –
8 seem to hold contrasting views as to which variable BIN should be assigned
9 to – if any.

10 Theoretical discussion on the use of the concept of the sociolinguistic
11 variable in syntax took place at the end of the seventies and early eighties of
12 the former century ‘in a developmental phase when its definitions were being
13 refined and improvements to methodology ongoing’ (Tagliamonte 2006: 76).
14 Since that period, problems of the sociolinguistic, syntactic variable seem to
15 have been solved pragmatically; that is, the data and researchers’ deep
16 linguistic knowledge of the investigated community guide which elements in
17 what contexts can be identified as variants.

18 Function-based approaches have already provided a number of examples of
19 how to study sociolinguistic variables where variants may differ in meaning
20 (Cameron and Schwenter 2013). The more one uses a functional line of
21 thinking the more one will end up investigating semantic variation. Thus, the
22 real challenge is to get to grips with variation which does indeed involve
23 semantics, i.e. to find *the envelope of semantic variation*.

24 Another approach is that of Poplack and her group (e.g. Poplack and Dion
25 2009). In Poplack’s studies of diachronic and synchronic variation in syntax,
26 variables are identified as forms-with-interpretations (the French subjunctive)
27 or as notional types (future temporal reference) and the conditions for
28 variation are identified as both pertaining to interpretations and speaker
29 characteristics as well as a number of grammatical constraints. Results are
30 then given as variation in the constraints.

31 In the generative framework, variants may be identified on the basis of
32 whether they are structurally related, i.e. hypothesized to be brought about by
33 a chosen value of a parameter setting (Cornips 1998; Buchstaller and Corrigan
34 2011; Zanuttini and Horn 2014). A famous example in the generative
35 literature is that in English the lexical verb *smokes* appears to the right of the
36 adverb *never* as in (4a), while (4b) shows that the verb cannot appear to the left
37 of *never* (Tortora 2014).

- 38 (4) a. Mary *never* smokes
39 b. *Mary smokes *never*

40 As Tortora (2014) notes, the contrast in (5) in which a Yes-No question
41 exhibits the phenomenon of *Do*-support, seems on the face of it to be
42 unrelated to the contrast in (4). But it is hypothesized to be so: the contrasts
43
44

1 in both (4) and (5) reveal that the lexical verb in English can never move to
2 the left of an adverb like *never* in (4) or to the most left position in a Yes-No
3 question:

- 4 (5) a. *Does Mary smoke?*
5 b. **Smokes Mary?*

6 Therefore, (4a) and (5a) may be taken as deeply syntactically related although
7 the former contains a negation and the latter a Yes-No question. So, from a
8 theoretical point of view, grammatical constraints on variation in structures
9 like (4) would predictably also be found in constructions such as (5). Studies
10 taking a socio-syntax approach may find good cues for deciding which variants
11 are syntactically related (Cornips and Corrigan 2005a, 2005b) in the
12 generative literature.

13 5. MACROVARIATION VERSUS MICROVARIATION

14 In this section, we will show that Labovian themes have consistently been
15 raised and addressed in a small subsection of writings within a recent
16 Chomskyan paradigm: micro-variation studies. Micro-variation takes an
17 interest in dialect data and, as such, has a solid empirical basis, while
18 addressing precisely the problem of inter- and intra-individual variation. We
19 will show how Labovian insights and methods have seeped into Chomskyan
20 theorizing and – primarily – practices.

21 The framework of generative syntax strives to reach a universalist goal; it
22 may also be described as an ‘internalist’ framework that conceives of
23 ‘Grammar’ as having no external existence (Cornips and Corrigan 2005a).
24 Its essence is ‘to characterize what a “possible human language” might be and
25 to provide formal grammars of individual languages’ (Newmeyer 2013: 61).
26 The proposed model of an individual’s ‘knowledge of language’ or competence
27 – ‘Universal Grammar’ (UG) – is the product of this characterization and
28 specifies the limits within which all languages function (Newmeyer 2013: 62).

29 From a generative perspective, variation may be taken as brought about by
30 different properties of functional heads (for instance aspect or tense), so that
31 variation is always the output of differences within abstract grammatical
32 systems (cf. Cornips 1998; Cornips and Corrigan 2005a). The relevant
33 differences are, from this point of view, differences between individual
34 grammars that belong to typologically different languages.

35 In contrast, micro-variation is concerned with the comparison and
36 examination of grammatical systems of *closely related language varieties*, e.g.
37 Danish, Swedish, Norwegian and Icelandic, or even dialects of the ‘same’
38 language, e.g. dialects of Dutch. Recently, micro-variation studies have even
39 included intra-speaker variation (Labovian *style variation*) as part of linguistic
40 competence in general; although the integration between empirical facts and
41 linguistic analysis remains problematic (Tortora 2014).

Moreover, scholars from the micro-variation tradition also start to ask whether even sociolinguistic factors and measures of frequency may have to be integrated in their studies. Barbiers (2013: 923) notes that,

in recent versions of the minimalist program linguistic competence is reduced to a minimum and the possibility is left open that some of the universal building principles are not specific to the domain of linguistics and/or determined by interface requirements.

Whether this refers to an integration of UG into general cognition or to extralinguistic factors is a moot point – but it certainly is an opening.

Labov's scholarly impact on *general syntactic macro-variation* theory is almost zero; witness the absence of almost any references to his work in the various handbooks of generative syntactic theory of recent decade(s): *Handbook of Contemporary Syntactic Theory* (2001); *The Oxford Handbook of Comparative Syntax* (2005); *The Blackwell Companion to Syntax*, Volumes I–V (2006); *The Cambridge Handbook of Generative Syntax* (2013); *The Routledge Handbook of Syntax* (2014); and *Syntax–Theory and Analysis* (2015). Notable exceptions are Kroch (2001) and Joseph (2001).

However, Labov's scholarly impact on generative *micro-variation* studies is clearly established and even increasing in two ways. Labov's (1972) pioneering study about negative concord in African American English in New York is taken up in recent micro-variation studies. Another impact is to be found in methodology: the recent creation of dialect atlas maps produced by generative researchers.

5.1 Dialect atlas maps

The intention of micro-variation studies is to provide a solid empirical basis for studying the minimal directions in which dialects can vary and which syntactic properties are parametrically related. On the one hand, this aim requires the examination of sets of very closely related varieties which only differ minimally from one another in syntax. On the other hand, both fine-grained data and a huge dataset are needed to make the next step towards understanding the syntax of natural language (Barbiers 2008: 3–4).

But how do we get access to such data? Here, we again notice that slowly but surely Labovian methods seep into Chomskyan linguistic practice. A considerable number of dialect syntax atlas projects have been undertaken that rely on the elicitation of syntactic acceptability judgments from a sample of speakers in a large geographical area. This constitutes a renewal of geographical linguistics in that it combines the methodology of sociolinguistics (a large set of socially characterized informants) with the aspirations of generative syntacticians to show that not only usage data but also carefully controlled judgment data vary with geography. Pioneering insights from Labov (1975, 1996) were taken into consideration in data collection: you

cannot go directly from judgment to use since a speaker may judge a certain form to be completely unacceptable, but nevertheless use it in everyday conversation (Labov 1972). Thus, the role of linguistic field work has become central for the endeavor and the procedures through which data are elicited and ordered are truly akin to sociolinguistic practices (Cornips and Poletto 2005).

It is a matter of some interest in this connection to note the difference between the *Atlas of North American English* (Labov, Ash and Boberg 2006) and the atlases described above. The North American Atlas is characteristically concerned with, as the subtitle reads: *Phonetics, Phonology and Sound Change*, and it approaches consensus on a broader range of field methods from the variationist side: instead of face-to-face sociolinguistic interviews, we have 30 to 45-minute telephone conversations according to a strict format. In this way, faster and better coverage is accomplished.²

In sum, micro-variation studies, dialect atlas projects, and recent developments in linguistic disciplines such as usage-based and cognitive linguistics (cf. e.g. Geeraerts and Kristiansen 2015) have gradually eroded the otherwise firm basis for theoretical linguistics of introspection. Even Newmeyer (2013: 750) mentions Labov's (1972: 199) 'painfully obvious conclusion ... that linguists cannot continue to produce theory and data at the same time'. This is not the majority voice, however; though such insights have been with sociolinguists for half a century already.

5.2 Coda: So what is NOT a linguistic fact?

The lesson learnt from Labov is that a linguistic fact is an empirical fact that can be observed in social interaction and recorded in spoken interactions and that 'unsupported inquiries into speakers' introspections are not sufficient to describe the state of the language' (Labov 1996: 100). Labovian linguists do not see intuitions or introspection of the linguist as an asset because the theorist:

1. may remain unaware of the considerable degree of variation existing between individuals who perceive themselves as belonging to the same network, speech community or community of practice (Cornips and Corrigan 2005a);
2. finds some types of variation irrelevant for the theoretical proposal s/he is developing – or even worse: detrimental. A clear example is the phenomenon of double complementizers in Dutch dialects and so-called substandard Dutch that was considered irrelevant within certain stages of theory-constructing (Goeman 1980: 291);
3. may bias his or her intuitions in favor of his or her theory-building (Newmeyer 2013: 75).

Thus, the question of what constitutes a linguistic fact is certainly not only a methodological issue.

6. WHAT A (SOCIO)LINGUISTIC THEORY SHOULD ADDRESS: PUTTING THE CHOMSKYAN FORMULA BACK ON ITS FEET³

As discussed until now in this paper, and in the rest of this special issue, William Labov has contributed a set of generalizations and insights, firmly based on data collected and analyzed by methods developed by Labov himself, into how language varies and changes, in particular as to sound change. But we have to ask more from a general linguistic theory, i.e. a theory of language. No amount of methodological renewal will give us a sociolinguistic alternative to the universalistic ideas still extant. We propose instead that one way to progress is not to dismiss Chomsky but to learn from his idealism, viz. to reverse the Chomskyan formula so famously expressed in the opening pages of the *Aspects of the Theory of Syntax*:

Linguistic theory is concerned primarily with an ideal speaker-listener, in a completely homogeneous speech community, who knows its language perfectly and is unaffected by such grammatically irrelevant conditions as memory limitations, distractions, shifts of attention and interest, and errors (random or characteristic) in applying his knowledge of the language in actual performance. (Chomsky 1965: 3)

If we systematically dismantle this view of theory we get at least the following:

- an ideal speaker > actual speakers (cf. Joseph 1992);
- speaker-listener > difference between production and perception (cf. Labov 2008);
- homogeneous speech community > heterogeneous speech community;
- competence as the sole object of description > performance and competence as two sides of the same coin, cf. Hymes' communicative competence (1972: 282);
- 'applying his knowledge of the language in actual performance' as irrelevant > letting linguistic practices take center stage.

6.1 *An integrated theory of language*

This section takes up the challenge of being more explicit about what a general materialist linguistic theory would look like. It elaborates on the need for a broader and more encompassing sociolinguistic theory, including parts of the field which may not be seen as variationist by any standard.

The object of sociolinguistic theory has changed significantly since the publishing of Labov (1966). Significant changes include increasing numbers of people who circulate and are engaged in various strategies of locality-production here, there and in-between or in multiple places simultaneously. This will alter relationships between people, the way groups may claim linguistic resources as 'theirs', the role the nation-state and national

1 institutions plays in regulating people's linguistic practices and/or in defining
2 their local and social identities. Any specific attachment of people to place
3 should not be taken for granted, but studied as so many questions about the
4 emergence and functioning of language, cultures, and identities (Mazzucato
5 2004). A future sociolinguistics cannot assume fixed links between specific
6 languages or language varieties and specific (sub)communities and/or social
7 categories without the cost of excluding relevant informants. Kerswill (1993:
8 55) noted that Labov in his study of New York excluded people who had
9 arrived after the age of eight and in doing so chose not to picture the speech
10 community of New York but rather the language of those inhabitants who
11 were native to the city – regardless of how many percent of the total population
12 they represented (see further in Britain 2013: 488).

13 An all-encompassing sociolinguistic theory is in need of a greater emphasis
14 on shifting and multiple group membership, as well as ambiguous or uncertain
15 group membership (Cornips and de Rooij 2013). As Cornips and de Rooij
16 (2013: 159) note: 'multiple, shifting and ambiguous identities are the
17 hallmark of human social life, especially in contemporary societies.' Such
18 significant changes in the way linguistic resources and linguistic repertoires
19 are used are, however, only part of the challenge of fitting theory to new
20 conditions, albeit crucial enough. Below is the outline of how a materialist
21 Labovian alternative to Chomskyan theory could be developed. We make use of
22 the seven-layered model already presented briefly in the introduction but
23 address only the five levels of theory.

24
25 ● **3rd level – THEORY 1: *Ordering of theory laden percepts from a specific***
26 ***point of view***

27 The sociolinguistic variable has been defined as covering different ways to
28 communicate the same content cognitively, hence the need for semantic
29 equivalence of variants. But a more comprehensive approach calls for a
30 definition of the variable as *any way to use linguistic resources which makes a*
31 *social difference*, irrespective of whether cognitive semantics is held constant.
32 Thus, the sociolinguistic variable is actually a linguistic variable and may be
33 found at all levels of language from pragmatics through lexical semantics and
34 to phonology. This gives rise to a crucial methodological challenge, viz. the
35 definition of the envelope of variation. Defining the envelope of variation is,
36 from this perspective, the primary task of the linguist and that entails precisely
37 delimiting what is constant (if anything) and what is variable; the two sides of
38 language structure and use are two sides of the same piece of paper, to borrow
39 a metaphor from Saussure.

40 When the patterns of variation are found on the basis of massive coverage of
41 the language use of the group, speech community or even individuals under
42 study, the next important question to address is what social meaning the
43 variation has, if any. This may be answered using anthropological methods
44

1 designed to disclose how members use it in their day-to-day performance of
2 identities (Eckert 2012). Finally, studies of how linguistic variables are
3 perceived by the community, group or individual may be carried out using the
4 methods designed by Tore Kristiansen (2009) to get at both consciously offered
5 and unconsciously offered language attitudes.

6
7
8 ● **4th level – THEORY 2: *Discipline specific theory, e.g. a sociolinguistic***
9 ***theory of language change***

10 A theory of language change cannot and should not be divorced from a theory
11 of possible language states. The relative weight of 'structure' and 'social forces'
12 in language change simply cannot be addressed if the two traditions of study
13 do not agree on the terms of a comparison. Antoine Meillet has already posed
14 the very pertinent question of why, if all the Indo-European languages stem
15 from one root, they actually developed so differently. This is a very good
16 question, and one that cannot be answered by separating the study of
17 language systems from the study of language change. A break with
18 structuralism does not, however, entail discarding structuration as a force in
19 language communities; language is structured because use has hardened into
20 structure. And the opposition between 'structure' and 'social forces' is not as
21 watertight as suggested in the literature anyway. According to Muysken
22 (1999: 72, 2000: 41–43), the cognitive abilities that shape structure
23 determine the constraints found in language use; whereas the norms created
24 within (groups of) speakers make structure coherent. Thus, it is untenable to
25 picture 'grammar' as merely a transparent representation of inner mental
26 events, since language is one of the most important media through which
27 social acts are accomplished (cf. Cornips 2015). Thus, the norms developed by
28 (groups of) speakers may influence structure, etc. But structure is fuzzy at all its
29 edges and is constantly under attack by erosion and the changing functions of
30 language use.

31 Furthermore, there is the question of the object of linguistic description in
32 another sense: (socio)linguists should sharply differentiate studies of how a
33 specific 'language' is used by the individual (idiolectal grammars), from studies
34 of how the individual uses all those linguistic resources she or he has at her (or
35 his) disposal to cope with her or his everyday life, i.e. integrating more or less
36 intimate knowledge of features associated with a number of languages. This
37 should again be separated from the study of linguistic resources used by one or
38 more communicating groups (e.g. Labov and Harris 1986) and finally again
39 from the study of how speech communities make use of various linguistic
40 resources for various purposes. When in the future we study a city like New
41 York, the study will hopefully include the problem of which linguistic resources
42 are used by which (more or less permanent) inhabitants of the community for
43 which purposes. Such a future study will be possible precisely because Labov
44 (1966) laid the foundation for it.

- **5th level – THEORY 3: *Superordinate, but still object specific, theory, e.g. a structuralist theory of language***

To encompass all of linguistics, a materialist theory has to perform *internal integration*. By internal integration we mean that any linguistic theory has to encompass the whole of language both spoken and written and all the mixed forms developed for and in various social media, and all language practices in situated contexts. If a sociolinguistic theory of language is to compete with other candidates for coverage, it would seem obvious that usage-based theories of the lexicon (Geeraerts 2010: 249ff.), studies of universal (but culturally variable) pragmatic phenomena such as e.g. politeness, studies of interaction and the study of discourse in general (e.g. Labov and Fanshel 1977) should be thought of as integrated parts of a general (socio)linguistic theory (cf. also Muysken 2005, 2015) – and modified accordingly. Such a theory would have to specify how variation and change related to speaker characterizations, speaker agency, speaker identifications, cultural context and societal forces in general would vary in (predictable?) ways, and it would obviously have a historical dimension. Generalizing the approach taken in the three-volume study of sound changes (Labov 1994, 2001, 2010a) to other types of changes, might give us indications of how changes in the social landscape filter through the layers of pragmatics, syntax and the lexicon in various ways (cf. Traugott and Dasher 2005), different from, yet akin to, the way sound changes are embedded in social-cultural geographies (Labov 2012). As noted above, a more general definition of the (socio)linguistic variable as a variation which makes a social difference, regardless of whether semantics is involved or not, would probably be helpful here.

A broad definition of the linguistic field would pave the way for an integration of the study of language use with the study of all kinds of ideologies and attitudes to varieties of language (Preston 2003). It would finally break the Herderian hold on linguistics such that all language features in the globalized language practices of today would be given equal weight in descriptions of language use.

- **6th level – THEORY 4: *Interdisciplinary theories valid for a whole field, e.g. a structuralist theory for all of the human sciences***

A lot of what goes on in language has a close connection to and may in ontogenesis be based on the prior acquisition of cognitive skills. Labov (2010b: 2), himself, views the human language faculty as an evolutionary development rooted in human physiology, i.e. as the capacity to perceive, reproduce and employ systematic variation and ‘yielding information on speakers’ relations to the addressee or audience as well as on their own social characteristics’. Information on social variation is probably stored separately, in a sociolinguistic monitor (Labov, Ash and Boberg 2006). A sociolinguistic

1 theory has to be open to the *integration of a linguistic theory into the study of a*
2 *socio-culturally sensitive developmental cognitive and affective psychology*. Only in
3 this way can the study of language socialization be exploited in the
4 construction of an account of how linguistic resources are appropriated as a
5 part of situated practices.

6 Another integration, fervently wished for, concerns historical and
7 contemporary sociology, and contemporary power structures: the demand for
8 integration here means both embedding and reflection. It may seem absurd to
9 posit this as a demand for a sociolinguistic theory since it seems to be obvious.
10 Not so. The definition of speaker variables has an obvious bearing for practice,
11 and yet we still miss a comparative sociological analysis of which factors or
12 social forces have which linguistic effects in societies that are differently
13 structured than the American ones studied by Labov. This is not only a question
14 of finding a type of sociology that is compatible with linguistics, but also a
15 demand for relating socialization and social structure: in which ways do social
16 characteristics *become* significant for language use, and how does language
17 usage contribute to the socialization process itself? Labov has contributed
18 significantly to this endeavor by formulating important generalizations based
19 on solid data from the U.S.A. (e.g. on the role of men and women in language
20 change; Labov 1990, 2001: 294ff.), by pointing to the role of ethnicity as a
21 sociolinguistic parameter (2001: 224ff.), and last but not least by seeking
22 explanations of the chain shifts in North America by appealing to cultural
23 geography (Labov 2012, 2013). What we miss is the broader comparative,
24 indeed global picture. This may, however, be part of a bigger problem.

25 According to Deumert (2015), sociolinguistics is in dire need of what she
26 calls a 'southern' theory in which southern does not refer to a geographical
27 space but to an epistemological one. The metaphor refers quite broadly to a
28 loosely coherent body of writing that speaks from the margins, linking
29 questions of power, exploitation and history to the process of knowledge
30 production. Such an anti-hegemonic theory challenges the center in that it
31 addresses the question: how might 'who we are' – our gendered, raced and
32 classed selves – impact on the knowledge we produce? Bourdieu's call for
33 reflectivity echoes here.

34 Deumert examined the authors who have published in the *Journal of*
35 *Sociolinguistics* between 2005 and 2014. More than 80 percent of the authors
36 are located in either Europe or North America. We may add that many of them
37 are native speakers and writers of English, dealing with English data. Deumert
38 also examined the membership of the scientific committee of the *Sociolinguistic*
39 *Symposium* for 2016: more than 90 percent of the scientific committee members
40 are located at universities in the geographical and political North. This reflects
41 global imbalances of resources, global biases of opportunity, recognition and
42 power hierarchies in the geographies of knowledge, in particular sociolinguistic
43 knowledge (cf. also Smakman 2015) but it also may bias our generalizations in
44 ways still unknown to the sociolinguistic community (Deumert 2015). The

1 demand for reflectivity concerns sociolinguistics 'in particular' because if any
2 discipline should be self-critically aware of such imbalances, we would expect
3 sociolinguistics to be first in line.

4 A sociolinguistic theory would give us a principled way to start a global
5 comparative study of how, in fact, different societies shape different language
6 practices.

- 7
- 8 ● **7th level – THEORY 5: *World view formulated using traditional***
9 **dichotomies, e.g. materialism vs. idealism; rationalism vs. romanticism;**
10 **etc.**

11 Here we side with Labov's early stance, i.e. the radical incompatibility of
12 materialist and idealist positions. Chomsky has elaborated on the structuralist
13 notion of the autonomy of linguistics and even holds that the I-language is a
14 separate innate faculty (Chomsky 2000). A materialist alternative would
15 squarely place language in the real world of speakers (Joseph 1992) and
16 conflicting interests. More importantly, in contrast to any Chomskyan theory a
17 sociolinguistic theory would also have a number of *external integrational*
18 *obligations* which link the stance taken inside linguistics to various other
19 disciplines.

20 As we hinted at earlier, we do not see the two sides of language, one based on
21 the biological endowment of the species and one practiced in speech communities
22 (or other (self-)organizations of individuals) as separate. On the contrary, the link
23 between them is (biological and social) *evolution*. A sociolinguistic theory has to
24 take note of the fact that language as a phenomenon has developed along with
25 humankind. Language as a practice must have been shaped by the long period
26 during which humans lived as hunter-gatherers, and investigation into this
27 process will give us relevant pieces of the puzzle of what is going on today. And at
28 the other end of evolution, social evolution, we need to investigate how present-
29 day media coverage and media consumption create new opportunities for
30 linguistic resources to be selected, imitated, adapted, appropriated and
31 recirculated (Rigney 2005: 16, quoting Foucault 1969: 156–157; see also
32 Stuart-Smith et al. 2013).

33 An evolutionary view of the interplay of linguistic resources and modes of
34 production and consumption has to sharpen or problematize the
35 uniformitarian principle (Labov 1994: 21ff.) as an analytic tool.

36 CONCLUSION

37 In this paper we have tried to answer the question of Labov's contribution to
38 general linguistic theory and of how he has influenced the theoretical
39 character of linguistics as a whole. We have argued that Labovian insights and
40 methods have gradually seeped into Chomskyan theorizing and – primarily –
41 practices regarding micro-variation, that is, the micro-syntactic enterprise of
42
43
44

1 comparing *minimal differences between dialects within a language* and the
 2 phenomenon of *intra-individual variation*. The central Labovian notion of
 3 variation has made its way into mainstream theoretical linguistics: both
 4 Labov's ideas on (1) how to elicit dialect data and (2) the sociolinguistic
 5 variationist knowledge about minimal dialect differences within a language.
 6 We phrased his influence on the micro-variation enterprise as the gradual
 7 empirification of armchair linguistics under the pressure of linguistic evidence.
 8 Moreover, we presented a layered model of the levels of theory to outline a
 9 more encompassing materialist theory of language. We have argued that the
 10 very definition of the object of sociolinguistics has to change in order for the
 11 discipline to take center stage in a broader study of change.

12 If, at some point in the future, we may venture an answer to the eternal
 13 question of *why that now?* (the proverbial *actuation problem*) at the level of both
 14 language structure and linguistic interaction, and at the level of the individual,
 15 aggregated groups and societies, it will be because an integrated theory of
 16 variation and change has amassed data from all the areas we have pointed to
 17 by the demands for integration. In this we are following the lead of William
 18 Labov, as we read him.

19 Though the two contemporary currents of theoretical (Chomskyan) and
 20 variational (Labovian) linguistics have in fact gradually moved closer such
 21 that practices and issues from variationist sociolinguistics have come to be
 22 used and addressed also by theoretical linguists, albeit not as part of a
 23 theoretical reinterpretation of their theoretical foundations but as an extension
 24 of the remit of linguistic interaction with real world data, no theoretical
 25 integration has issued from this encounter. This is, we argue, because the two
 26 currents are incompatible. The full potential of Labovian linguistics can only be
 27 brought out by extending its aspiration so as to become an alternative to
 28 Chomskyan idealism instead of just a supplement. We are fully aware that
 29 what we have sketched in this paper is a tall order, but then again: so was the
 30 original Labovian enterprise.
 31

32 NOTES

- 33 1. Neither is 'linguistics as a whole' for that matter. Our points of departure are
 34 that the first author is a variationist sociolinguist who has focussed on syntactic
 35 variables while Labov has influenced the second author's career profoundly.
 - 36 2. cf. the Atlas homepage: <http://www.atlas.mouton-content.com/secure/general>
 37 [modules/anae/unit0035/genunstart.html](http://www.atlas.mouton-content.com/secure/general)
 - 38 3. The authors are very aware of the fact that the final chapter in a paper of this
 39 length will be hard pressed to do justice to the demands of the headline. A
 40 benevolent reader will probably be able to fill out the details. We hope to do so
 41 ourselves at a later stage.
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