

Destandardization and demotization from a lectometrical perspective

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O Points to make

- the (de)standardization debate needs to distinguish between three dimensions of stratificational change: (de)standardization,(in)formalization,(de)homogenization
- these three dimensions are logically and empirically independent of each other
- a quantitative lectometrical approach is the most natural and most appropriate way for studying the phenomena in question



imagine a classical stratificational continuum, simplified to two levels

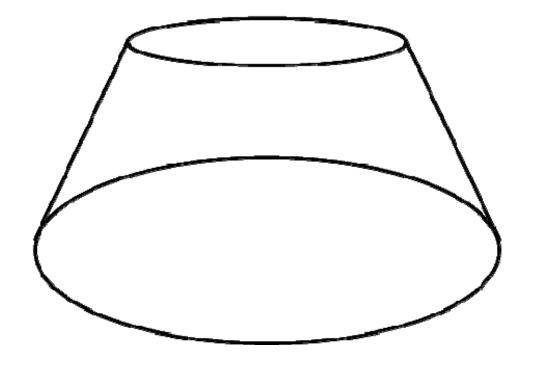
- one considered typical for a higher, more normative, 'better' variety
- one considered typical for a lower, informal, more colloquial variety

with the additional assumption that linguistic usage at the higher level exhibits less variation than that at the lower level

-> what could destandardization mean in this situation?

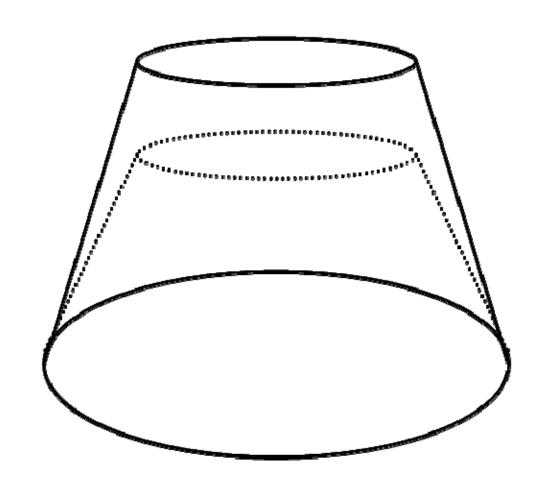


increasing of stratificational distances:



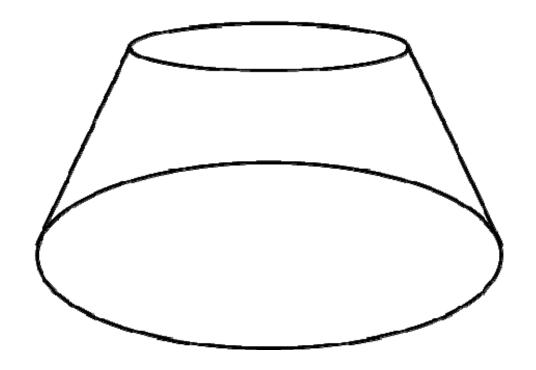


increasing of stratificational distances:



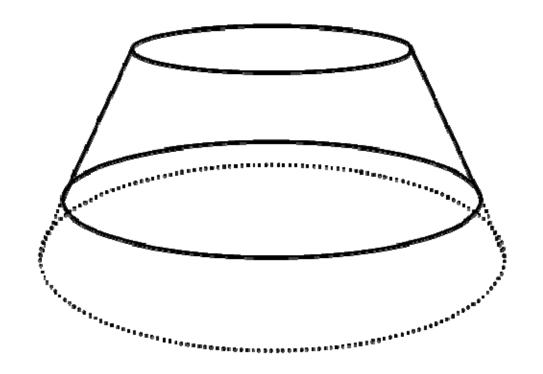


such an increase contrasts with decreasing distances, as in a classical model of progressive standardization:



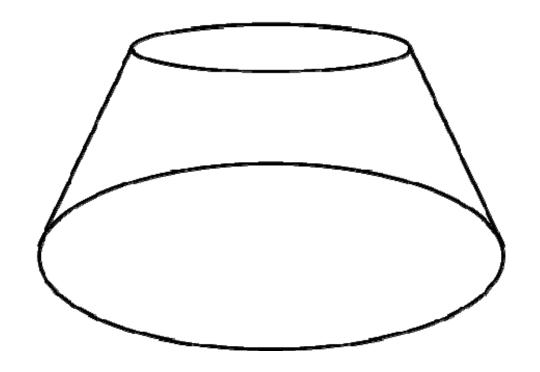


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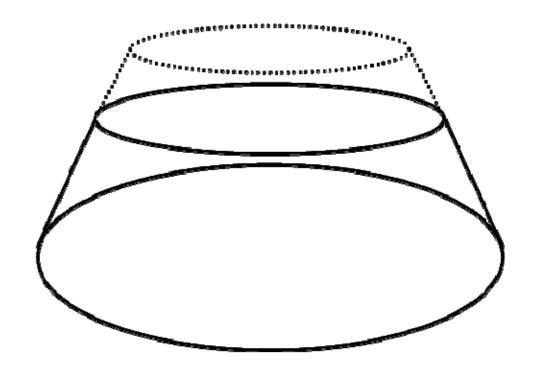


but narrowing of distances could also come about by a downward movement of the top, rather than an upward movement of the bottom:



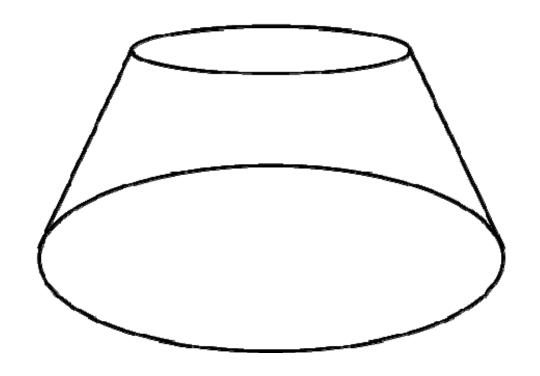


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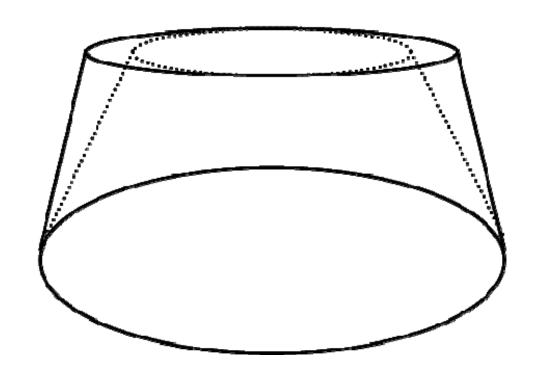


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- -> at least three dimensions need to be conceptually distinguished in the (de)standardization debate
- . (de)standardization an increase/decrease of stratificational distance between different levels
- . (in)formalization a direction of development towards/away from the higher stratificational level
- . (de)homogenization an increase/decrease of the variability at one level (specifically, at the higher stratificational level)



PS - how do these types relate to current definitions of destandardization and demotisation?

- · 'Demotisation is [the] revalorisation, ideological upgrading, of [a] 'low-status' language to 'best-language' status'
 - -> informalization
- Destandardization is 'a possible development whereby the established standard language loses its position as the one and only 'best language',
 - -> either dehomogenization or destandardization



either way, using a binary classification to discuss a threedimensional phenomenon is bound to be confusing



generalizing over dialectometry, sociolectometry, stylometry etc., lectometry is the quantitative study of, synchronically, the linguistic distances between lects and the resulting stratificational structure, and diachronically, their convergence or divergence the definitions given here were first presented in Geeraerts, Grondelaers & Speelman 1999 Convergentie en divergentie in de Nederlandse woordenschat (Amsterdam: Meertens Instituut)

(refinements and alternative operationalizations exist but will not be discussed)



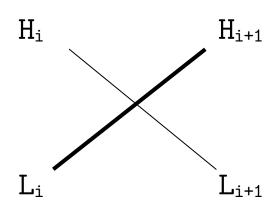
(de)standardization can be measured in terms of the uniformity between stratificational levels

$$U_{Z}(Y_{1}, Y_{2}) = \sum_{i=1}^{n} \min(F_{Z,Y_{1}}(x_{i}), F_{Z,Y_{2}}(x_{i}))$$

$$U(Y_1, Y_2) = \frac{1}{n} \sum_{i=1}^{n} U_{Z_i}(Y_1, Y_2)$$



(in)formalization can be measured in terms of the differential strength of attraction between lower and higher strata from time i to time i+1: informalization occurs if the higher stratum moves more in the direction of the lower stratum than that the lower stratum moves in the direction of the higher one, i.e. if $U(L_i, H_{i+1}) > U(H_i, L_{i+1})$





(de)homogenization can be measured in terms of the internal uniformity of one stratificational level

$$I_Z(Y) = \sum_{i=1}^{n} F_{Z,Y}(x_i)^2$$

$$I(Y) = \frac{1}{n} \sum_{i=1}^{n} I_{Z_i}(Y)$$



to establish the independence of the three types, it needs to be shown that their logical combinations are all possible in principle:

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1 simplified to: narrowing (+) vs stability (-)
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² simplified to: shift from high to low (+) vs shift from low to high (-)

³ simplified to: less uniformity (+) vs stability (-)

	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	50	10
form β	_	_	_	_
form y	10	90	50	90

+
$$U(H_i, L_i) = 20, U(H_{i+1}, L_{i+1}) = 60$$

+
$$U(L_i, H_{i+1}) = 60, U(H_i, L_{i+1}) = 20$$

+
$$I(H_i)=91$$
, $I(H_{i+1})=50$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	10	10
form β	_	_	_	_
form Y	10	90	90	90

+
$$U(H_i, L_i)=20, U(H_{i+1}, L_{i+1})=100$$

+
$$U(L_i, H_{i+1})=100, U(H_i, L_{i+1})=20$$

-
$$I(H_i)=82, I(H_{i+1})=82$$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	80	50
form β	_	_	10	_
form y	10	90	10	50

+
$$U(H_i, L_i) = 20, U(H_{i+1}, L_{i+1}) = 60$$

-
$$U(L_i, H_{i+1})=20, U(H_i, L_{i+1})=60$$

+
$$I(H_i)=82, I(H_{i+1})=66$$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	90	50
form β	_	_	_	_
form y	10	90	10	50

+
$$U(H_i, L_i) = 20, U(H_{i+1}, L_{i+1}) = 60$$

-
$$U(L_i, H_{i+1}) = 20, U(H_i, L_{i+1}) = 60$$

-
$$I(H_i)=82, I(H_{i+1})=82$$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	_	5	10
form β	_	10	5	90
form y	10	90	90	_

-
$$U(H_i, L_i)=10, U(H_{i+1}, L_{i+1})=10$$

+
$$U(L_i, H_{i+1}) = 95, U(H_i, L_{i+1}) = 10$$

+
$$I(H_i)=82$$
, $I(H_{i+1})=8125$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	1	10	_
form β	_	10	_	90
form Y	10	90	90	10

-
$$U(H_i, L_i)=10, U(H_{i+1}, L_{i+1})=10$$

+
$$U(L_i, H_{i+1}) = 90, U(H_i, L_{i+1}) = 10$$

-
$$I(H_i)=82, I(H_{i+1})=82$$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	5	90
form β	10	_	90	_
form Y	_	90	5	10

-
$$U(H_i, L_i)=10, U(H_{i+1}, L_{i+1})=10$$

-
$$U(L_i, H_{i+1})=10, U(H_i, L_{i+1})=90$$

+
$$I(H_i)=82$$
, $I(H_{i+1})=8125$



	time i		time i+1	
	stratum H	stratum L	stratum H	stratum L
form α	90	10	10	90
form β	10	_	90	_
form y	_	90	ı	10

-
$$U(H_i, L_i)=10, U(H_{i+1}, L_{i+1})=10$$

-
$$U(L_i, H_{i+1})=10, U(H_i, L_{i+1})=90$$

-
$$I(H_i)=82, I(H_{i+1})=82$$



-> descriptive work needs to distinguish between the multiple combinations of the three dimensions; this precludes an interpretative reduction to a single phenomenon like 'the demise of the SLI'



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replication of GGS1999*:
lexical variation for 14 clothing concepts
for 2 chronological points: 1990 vs 2012
for 2 lg varieties: Belgian Dutch vs Netherlandic Dutch
and for 2 stratificational levels: magazines vs shop
window materials
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* with many thanks to Tine De Cnodder and Jocelyne Daems



Belgian Dutch results:

- + $U(BH_{1990}, BL_{1990}) = 50.47$ $U(BH_{2012}, BL_{2012}) = 73.72$
- + $U(BL_{1990}, BH_{2012}) = 56.22$ $U(BH_{1990}, BL_{2012}) = 52.29$
- $I(BH_{1990}) = 69.21$ $I(BH_{2012}) = 74.96$
- -> narrowing of the stratificational spectrum, informalization (slightly), increasing homogeneity



Netherlandic Dutch results:

- + $U(NH_{1990}, NL_{1990}) = 67.72$ $U(NH_{2012}, NL_{2012}) = 81.65$
- $U(NL_{1990}, NH_{2012}) = 59.23$ $U(NH_{1990}, NL_{2012}) = 85.54$
- $I(NH_{1990}) = 68.48$ $I(NH_{2012}) = 71.06$
- -> narrowing of the stratificational spectrum,
 formalization,
 increasing homogeneity



a lexical study of 14 concepts is not enough to arrive at general conclusions, but assuming that the effects are representative, the developments exhibit

- in both varieties:
- a classical standardizing movement, with diminishing stratificational bandwidth and enhanced internal homogeneity
- in the Belgian variety:
- a slight shift towards the endogenous forms, signaling the weakening of the traditional exogenous normative orientation

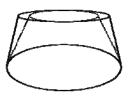


5 Take home message

1° the binary distinction between demotization and destandardization needs to be replaced by a description that distinguishes (at least) between (de)standardization (in)formalization (de)homogenization and their multiple combinations









5 Take home message

2° by allowing for an objective operationalization of these three concepts, corpus-based lectometry is an indispensible tool for getting a grip on the multidimensional nature of changes in stratificational continua





for further information:

http://wwwling.arts.kuleuven.be/qlvl

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