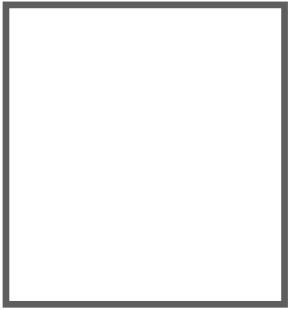


a linguistic distance

Gromov-Wasserstein:

Gromov-Wasserstein Distances

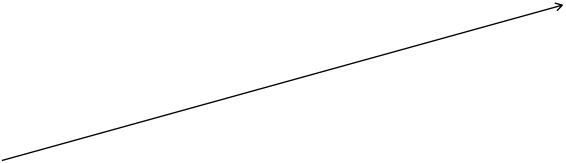
								_ 10
DE -	0	2.3	2.9	2.3	2.2	2.2	7.3	- 10
EN -	2.3	0	2.4	2.5	2.4	2.4	8.2	- 8
田 S	2.9	2.4	0	1.7	1.6	1.5	6.2	- 6
FR -	2.3	2.5	1.7	0	1.7	1.7	6.7	
	2.2	2.4	1.6	1.7	0	1.8	6.5	- 4
RU	2.2	2.4	1.5	1.7	1.8	0	7.4	- 2
НΖ	7.3	8.2	6.2	6.7	6.5	7.4	0	0
'	DE	EN	ES	FR	IT	RU	ZH	- 0





Romance languages cluster

G-W induces a (true) metric

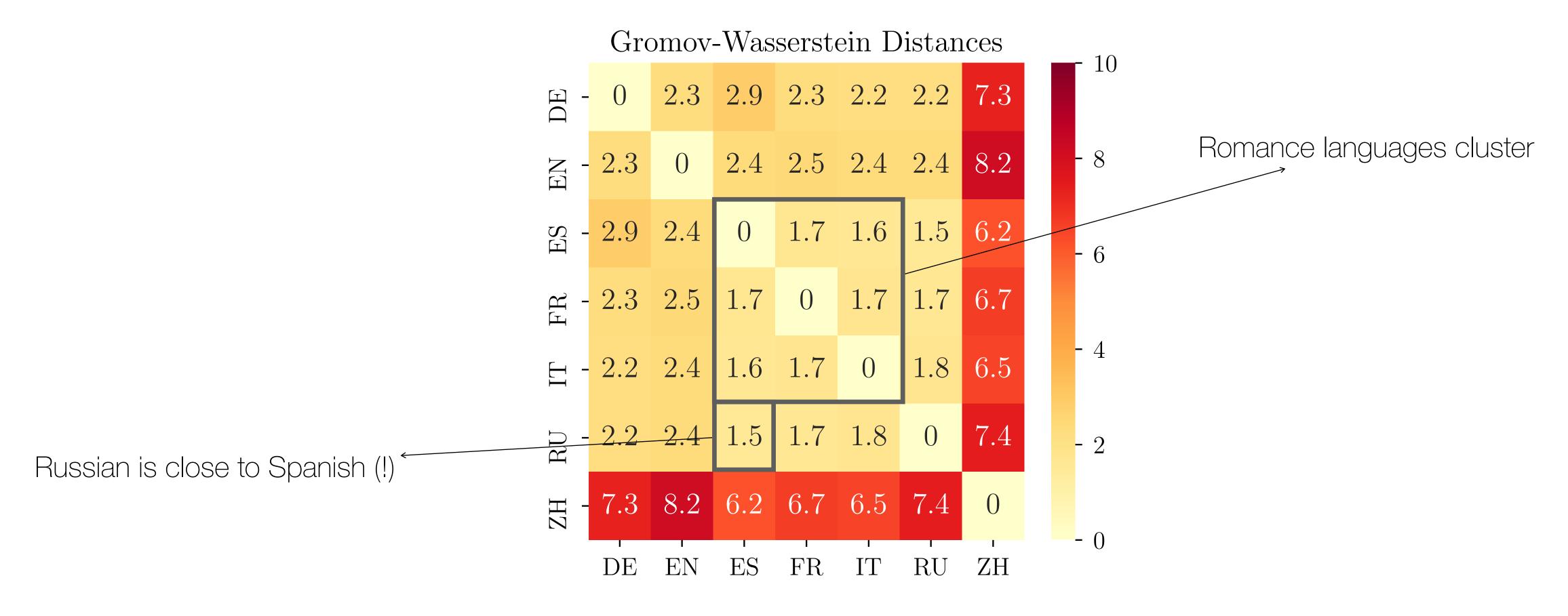


Russian is close to Spanish (!)



We can interpret it here as linguistic 'semantic' distance

Gromov-Wasserstein: a linguistic distance



OT with Invariances choosing the right approach