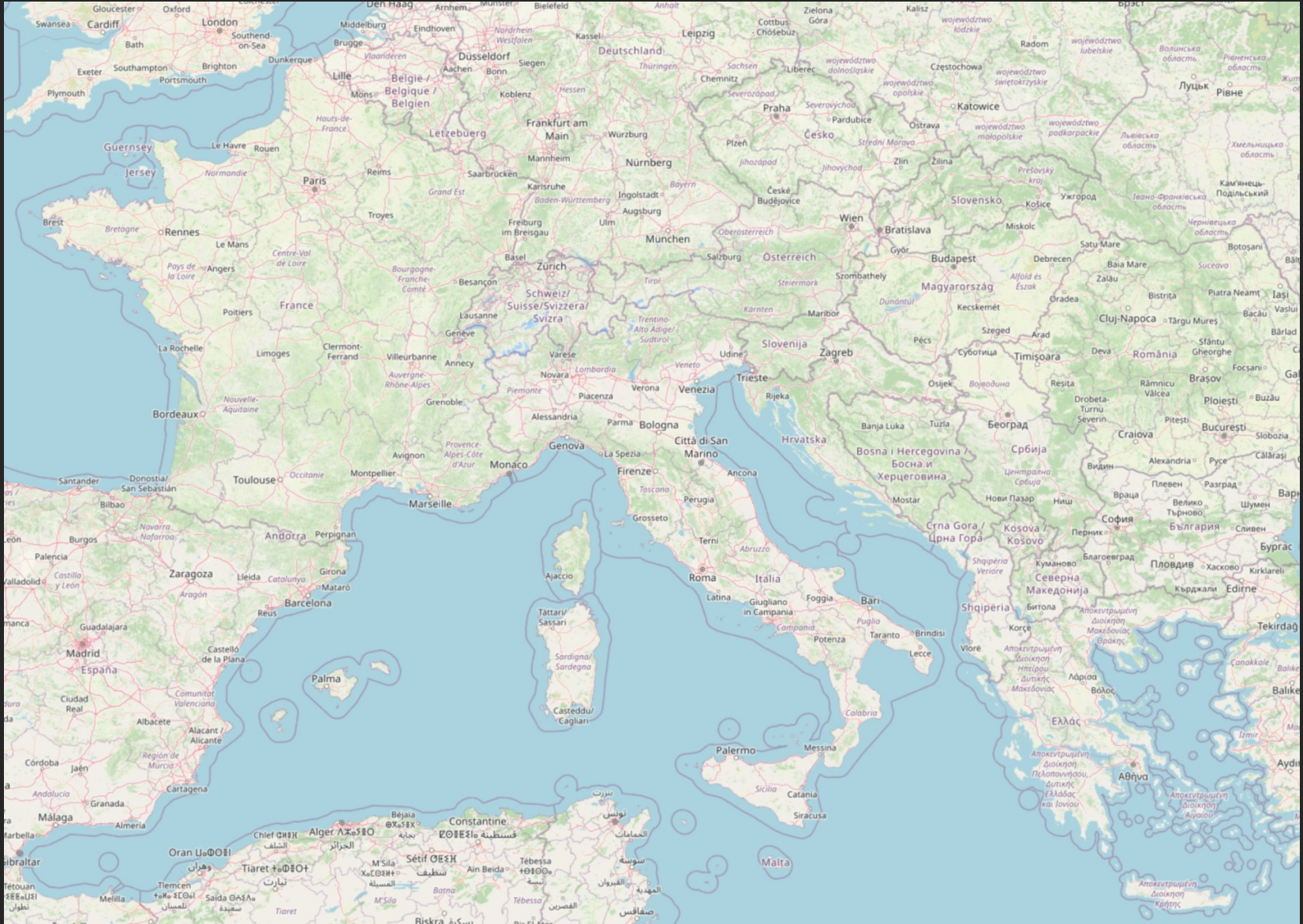
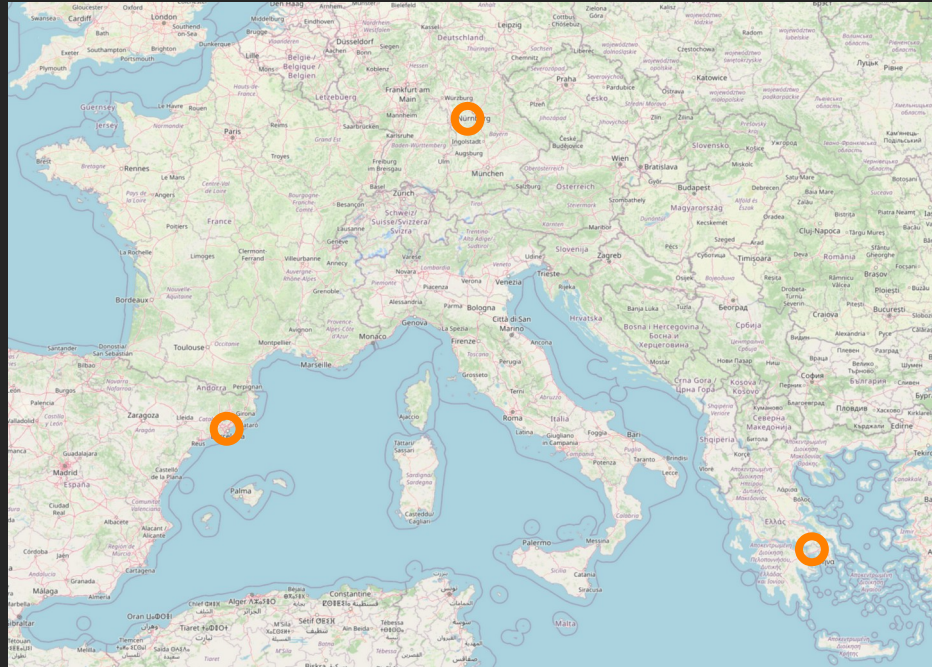


PCO

Distance matrix

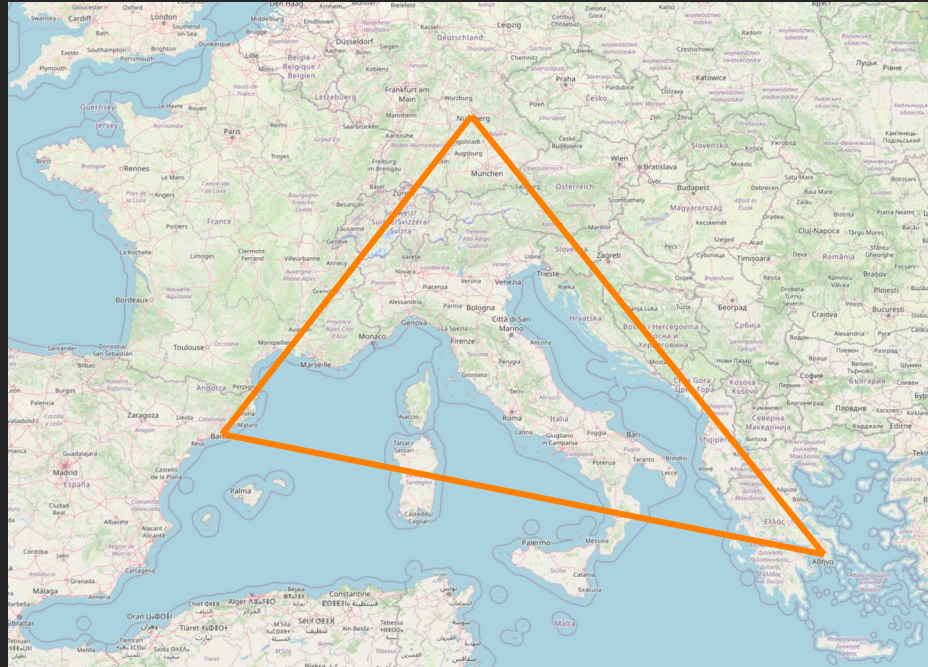


Distance matrix



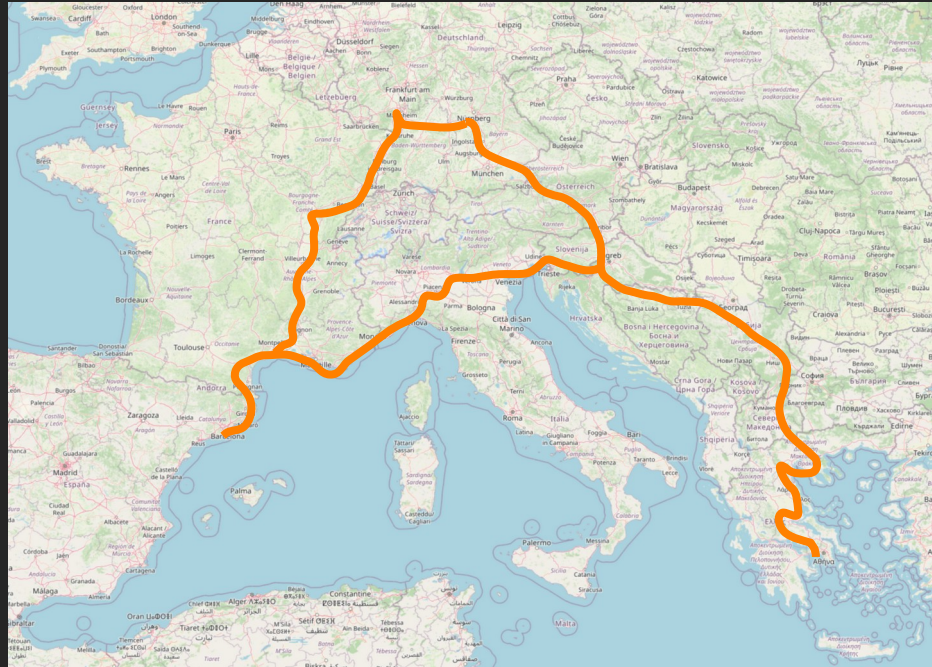
	Ath	Bar	Nur
Ath			
Bar			
Nur			

Linear distance matrix (km)



	Ath	Bar	Nur
Ath	0	1880	1012
Bar	1880	0	1134
Nur	1012	1134	0

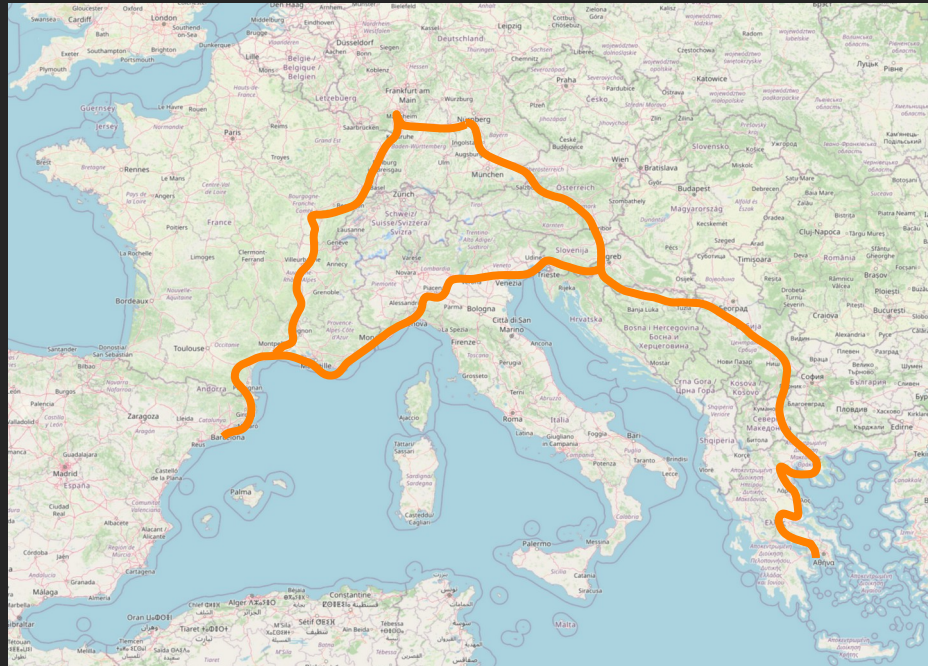
Road distance matrix (km)



	Ath	Bar	Nur
Ath	0	3084	1443
Bar	3084	0	2171
Nur	1443	2171	0

Road distance matrix

(max hours – leaving on a Monday at 08:00)



	Ath	Bar	Nur
Ath	0	38	26
Bar	37	0	18
Nur	27	17	0

Metric distances?



Is positive? (and null)

Is symmetric?
 $d(A,B) = d(B,C)$

No shortcuts!
(triangle inequality)
 $d(A,B) + d(B,C) \geq d(A,C)$