





















The role of explanatory variables				
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Linear regression between LST and explaining variables: (a) NDVI, (b) DENS, and (c) TLoS in Brino region; LST and NDVI data is from 15 June 2006 and R <sup>2</sup> is explained variance				
	Termín	NDVI	DENS	DEM
Pearson correlations between air temperature	19.4.2011	-0,66	0,57	-0,40
measurements and selected parameters of	9.5.2011	-0,44	0,45	0,04
environment along the traverses. NDVI represents	8.7.2011	-0,71	0,65	-0,44
amount and vigor of vegetation, DENS represents	3.8.2011	-0,46	0,41	-0,04
density of buildings calculated for 300 m square grid	13.9.2011	-0,60	0,58	-0,38
and NV stands for altitude a.s.l. Significant correlations at a = 0.05 are in bold	27.9.2011	-0,46	0,41	-0,07
correlations at a = 0.05 are in bold	1.11.2011	-0,30	0,34	0,14
NDVT is the best symlemetery yerishis	3.1.2012	-0,53	0,55	-0,35
NDVI is the best explanatory variable	31.1.2012	-0,61	0,61	-0,42

## 3.8 Final remarks and questions

- 1. Why is it useful to have a long term meteorological measurements?
- 2. What are the main data types we need for an analysis of urban climate?
- What parts of the city are most susceptible to higher temperatures?
- 4. Compare positive/negative features of satellite thermal mapping and mobile measurements used for UHI intensity estimate?