INVITATION

Juraj Medzihorsky will present his R package 'pistar' that implements the π* mixture index of fit.

The π* mixture index of fit is a new measure of model fit. It is easy to interpret, applies to many different models, and unlike conventional measures of fit it rests on assumptions that are always true. The index measures model fit by the smallest fraction of the population that cannot be described perfectly by a distribution belonging to the model, and facilitates new substantive findings through the analysis of the residual component. The 'pistar' package currently allows to estimate π* for univariate distributions, multivariate normal distribution, and all models which input and predict values representable as contingency tables.

A short presentation will be followed by a workshop. Bring your own data and/or problems and see if the mixture index of fit can help. Or even better, send them ahead to medzihorsky_juraj@ceu-budapest.edu

Problems such as "Does univariate distribution A describe the data better than distribution B?" and all problems involving contingency tables are especially welcome.

You can install 'pistar' from R using package 'devtools'. Simply install 'devtools' and run

```
library(devtools)
install_github("pistar", username="jmedzihorsky")
```

You can find a copy of the manual at
https://github.com/jmedzihorsky/pistar/blob/master/pistar_0.5.2_manual.pdf

Organizer:
MSZT/MPTT Political Behaviour Section
ELTE TÁTK Survey Statistics MSC

Date: **2014.01.29. 14:30h**

Place: **ELTE TÁTK (1117 Budapest, Pázmány Péter sétány 1/a.)**
North Building 7.23-es room