

Research Methods for Political Science PO3110 (TCD)

HT: Tutorial 10 - Week 11

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Today's topics:

- Basic concepts used in homework 4 (Check tutorial 8 as well);
- Homework 4 correction (grades next by Monday);
- Other questions.

Fitting a model

- Clean variables (recode, assign missing values and check everything is alright using frequency tables);
- Iterative process (maybe why it is good to start using Syntax);
- Include predictors in different steps, compare model fit and how regression coefficients change (does it make sense?);
- Re-run regression with a similar dependent variable.

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Statistical significance of logit regression coefficients on SPSS

- Divide coefficient by standard error (as all usual statistical tests: effect/error);
- SPSS reports the Wald statistics squared;
- SPSS compares this statistic with Chi-square distribution with a given degrees of freedom (normally 1);
- The threshold for p-value is the usual 0.05. Lower than this is statistically significant;

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- MLE: makes observed the data most likely to have occurred;
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Omnibus Test of Model Coefficients: Comparing models

- **Step:** current vs previous model;
- **Block** current block variables vs previous block;
- **Model** current vs no predictors.

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Let's go to SPSS to do the homework

Questions

- Any other questions?

Thank you!

Good luck in your final assignments, take care and (if possible) enjoy the break !