

# Tutorial 8 HT

## Research Methods for Political Science - PO3110

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## Planning the Review

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## What to cover?

The next two tutorials will be all about reviewing what we did and develop some more applied knowledge through exercises and practical examples (group-works etc). Also I will be more than glad to troubleshoot issues that may arise while working on your final project.

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- Linear Regression: Theory, Applications
- Assumption of Regression and Diagnostics
- Logistic Regression
- Non-parametric Tests
- Research Design
- BONUS: Applied text analysis with TADA?

Something we will definitely cover is **HOW TO PRESENT YOUR REGRESSION TABLES (no SPSS outputs!)**

## Review of HM 3

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## A few more things on Logistic Regression

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- SPSS conveniently compares that to a the relevant critical value of the  $\chi^2$  distribution so to obtain a p-value.
- As we've seen for linear regression,  $H_0 : \beta = 0$
- Might be worth double-checking with bootstrapping when you get very large  $\beta$ s. That leads to inflate SE, which in turns might lead to a misleading Wald statistic (smaller than it should be).

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- SPSS always compares that with the baseline model (Omnibus test for model coefficients box).



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If time allows:

Let's walk through the example from the lecture again!