Notes for Exercises in Session 11

- 2:11,48; 10:38,39; 2:12,59; 10:12,17; 2:53; x:19 (10:26; final2006:3; final2014:1) — note recommended order,
- maybe ANOVA catch-up from last?: 12:35; x:18 (27:45),
- lecture catch-up: statistical reporting (11L−14),
- Minitab regression demo, including prediction (11L−12/13).

Minitab linear regression:[1]

- scatterplots: `Graph-Scatterplot`,
- regression analysis: `Stat-Regression-Fitted Line Plot` (nice plots, but limited statistics) or `-Regression-Fit Regression Model`,
- prediction: *intervals*: `Stat-Regression-Regression-Predict` after fitted model; *bands*: "Options" in `Fitted Line Plot` menu.

Notes and questions for specific exercises:

- 2.48/10.38: analyze also without one extreme observation, and compare the results,
- 2.59: skip part (d), and the reference to R^2 in (c),
- x.19, final2014.1: critique of journal articles,
- final2006.3, final2014.1: recommended (now, or as exam review),
- ignore mention of correlation (r) and R^2 in the solutions.

[1] Stata for linear regression (for R methods, see R programs):

– scatterplots in `Graphics-Twoway` menu, create scatter plot (basic) and fitted line (fit plots, linear prediction),

– regression analysis: `Stat-Linear-Linear Regression`,

– prediction ("forecast" in Stata): `Stat-Postestimation-Predict`.