

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; final2011:2; final2014:1) — note recommended order,
- maybe one-way ANOVA catch-up from last?: 12:35; x:18 (27:45),
- Minitab regression & prediction demo, including brief lecturing on prediction (11L–11/12).

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, final2011.2, 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**.