

# Econometrics 1 *Applied Econometrics with R*

## Assignment 2

---

黄嘉平

中国经济特区研究中心 讲师

办公室：文科楼1726

E-mail: [huangjp@szu.edu.cn](mailto:huangjp@szu.edu.cn)

Tel: (0755) 2695 0548

Office hour: Mon./Tue. 13:00-14:00

# Assignment 2: due on Nov 20, 2017

---

- Use the California Test Score data set (`caschool.xlsx`) to perform multiple linear regression analysis to explain test scores (`testscr`).
- Take student-teach ratio (`str`) as the base specification.
- Three additional variables:
  - percentage of students who are still learning English (`e1_pct`),
  - percentage of students who are eligible for receiving a reduced priced lunch at school (`meal_pct`),
  - percentage of students in the district whose families qualifies for a California income assistance program (`calw_pct`).

# Assignment 2: due on Nov 20, 2017

---

Perform multiple linear regression analysis for the base specification and at least *two* alternative specifications whose regressors are chosen from `str` plus the three additional variables.

- Q1: Write down your regression models (three in total) and corresponding OLS regression results (with standard errors) in equation.
- Q2: Make a table to summarize your regression results.
- Q3: Discuss your results shortly.

Handwritten reports are not accepted! Hand in on the class on Nov 20 (Mon), 2017.