

高计 2 作业 3

截止日期： 2023 年 4 月 10 日，中午 12 点

Total mark: 7.5

In this exercise you will begin by reading the paper by **Chen, Kung & Ma (2020)**, published in *The Economic Journal*, titled “Long Live Keju! The Persistent Effects of China’s Civil Examination System.”

QUESTION 1:

Write a **one-page description** of the paper’s background, main research question, main data source, main empirical methodology, and main conclusion. **(3 point)**

QUESTION 2:

Open the dataset “**census10_final.dta**”. This dataset contains Jinshi (进士) and Juren (举人) density, year of schooling, night-time lights in 2010, terrain ruggedness, agricultural suitability urbanization rates, etc., for regression analysis.

Use the data provided, **replicate Table 2, Table 4, Table 5 and Table 7** in this paper (as discussed above). Use a separate page to display each table. The data is provided in Stata format, but you may transform them into other format and use your preferred statistical software to conduct the analysis. **(4.5 point)**

- **Table 2:** The OLS estimation of impact of Jinshi density on contemporary human capital outcomes, i.e., years of schooling and different education level. You **do not** need to replicate the Conley (1999) standard errors in the third row.
- **Table 4:** The OLS estimation of river distance to pine and bamboo Locations, printing centers and Jinshi density. This table attempts to verify the importance of pine and bamboo in determining a prefecture’s success in Keju exams.
- **Table 5:** IV estimation of impact of Jinshi density on contemporary human capital outcomes, presents the first stage and second stage IV estimation.
- **Table 7:** OLS and IV estimation of impact of Keju on educational

infrastructure. This table attempts to confirm that educational infrastructure may serve as an important channel through which Keju produces a persistent effect on contemporary human capital outcomes.

You may see the table notes of the paper which provide detailed regression instructions. Your tables do not have to be exactly the same as the paper, but they need to be very similar.)

Please prepare a word document to briefly present your methods, and results required above. This word file will be the document for the marking process. In this file, include all the necessary tables and figures together with your explanations.

This word file **should not exceed 10 pages.**

If you use English, please use the **Times New Roman font, size 12, 1.5 line spacing.**

如果用中文答题和展示结果，请使用**楷体，12号字体，1.5倍行距。**

Name this word document as **yourname homework3.doc/docx**. Submit the word file to course.pku before the deadline. Any **late submission** will be subject to a 20% penalty on the final mark. **Submission later than one day** after the deadline or **no submission** will be marked zero.