

Meeting Summary of May 5, 2025

Date: May 5, 2025

Time: 2:30–3:15 PM

Attendees: Prof. Jan, Prof. Javed, Prof. Zhang, Feng Gu

Topic: Establishing a general framework and drafting a proposal for Feng's thesis. **GitHub repository:** Click here to jump to the GitHub repository.

Summary of Discussion

- The framework for the thesis program was discussed, focusing on using breakpoint analysis in (quantile)regression to extend the research of two dissertations.
- A general working schedule for the summer was discussed. Prof. Javed will travel to Bangladesh for a period, while Prof. Jan is willing to hold online meetings and share datasets with Feng.

Decisions Made

- Feng will review the two dissertations suggested by Prof. Jan and attempt to understand and replicate the analysis.
- Feng will study and practice breakpoint analysis in regression, review the earlier work of Prof. Javed and Prof. Jan published in 2020¹, and examine an ongoing draft.
- Prof. Jan or Prof. Javed will share the datasets used in the paper with Feng.

Action Items

- **Feng:** Summarize 2 dissertations by May 13.
- **Prof. Jan:** Share datasets.

Follow-Up

Temporary meeting time: waiting to be confirmed.

1 Attached Documents

Some piecewise quantile regression figures from another finished paper were shared with Feng for reference.

Click here to jump to the GitHub repository to check the figures.

¹Click here for the paper