

# 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 2020<sup>1</sup>, 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/ Prof. Javed:** Share datasets.

## Follow-Up

Temporary meeting time: waiting to be confirmed.

## Supportive materials

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.

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<sup>1</sup>Click here for the paper