



# Week 4 Presentation

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# Overview - The Analysis of Rural Business Performance

## Objectives:

1. Exploratory analysis of the Rural Canada Business Profiles (RCBP) database.
2. Interactive dashboard **s (RCBP and Overview)**.
3. Cross-analysis of RCBP with other public Statistics Canada data (open ended)

## Research questions:

1. How does the Canadian rural business perform according to different dimensions/variables?
2. How can the RCBP data be connected with other StatCan data to produce valuable analysis?

# Client Meeting

Wednesday May 18 9:00am-10:00am

Presentation of EDA and visualization results

Dashboard tools Confirmed

# Progress

1. Confirmed Dashboard tools:
  - a. Dash and Altair for overview page
  - b. Tableau for RCBP dashboard
2. Completed Analytical Paper 1st draft:
  - a. Revenue/Profit
  - b. Expense
  - c. Financial Ratios

# Analytical Paper Contents

- Introduction - Tingwen
- Highlight - Group together
- Revenue/Profit - Alice
- Expense - Bowen
- Financial Ratios - Tingwen, Yilin
- Methodology - Yilin

Analytical Paper— 1st draft

# Compare to original plan

3 (18 – 24 May)	Data visualization and Analytical paper (first draft)	Data visualization, deliver the first draft of the analytical paper
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Data visualization



First draft of the analytical paper



We are on track with our original timeline.

# Team Minutes

Meeting: Team + Clients 9 hr

1. 5/16 Team: Distributed presentation work 1 hr
2. 5/17 Team: Visualization discussion 3.5 hr
3. 5/18 Client: Visualization presentation 1 hr
4. 5/18 Team: Distributed analytical paper work 1 hr
5. 5/20 Team: Analytical paper discussion 1.5 hr
6. 5/23 Team: Prepared weekly presentation 1 hr

# Individual Logs

Tingwen: 25 hr + 9 hr (team)

1. Data cleaning + Visualization: 10 hr
2. Paper writing: 10 hr
3. Format Editing: 2 hr
4. Presentation slides and preparation: 2 hr
5. Email writing: 1 hr



# Individual Logs

Bowen Yang: 26 hr + 9 hr (team)

1. Write analytical paper: 18 hr
2. Write meeting minutes: 0.5 hr
3. Data visualization: 2 hr
4. Edit EDA result: 1.5 hr
5. Presentation slides and preparation: 4 hr

# Individual Logs

Song(Alice) Zhang: 26.5 hr+9 hr (team)

1. Improve small business EDA and update weekly slides (5.5h)
2. Update the geography categorical data (4.5h)
3. Deliver the revenue part of the first draft of the analytical paper (14.5h)
4. Update weekly slides and take minutes and personal log(2h)

# Individual Logs

Yilin Sun: 26 hr + 9 hr (team minutes)

1. Modify the visualizations: 6 hr
2. Write analytical paper: 18 hr
3. Update personal logs and team minutes: 1 hr
4. Prepare presentations: 1 hr

# Next Week Plan

Discuss the first draft of the analytical paper with client

Design the dashboard

Develop the dashboard

Prepare the mid-project presentation