CS506 Team E

Police Overtime Team Weekly Scrum Report 4

1.   **What we accomplished this week:**
- Find the individual earning that contributes the most to the total earning increment. (Riva)
- Overtime hour and Overtime earnings ratio.(Riva)
  - Eg. If 4h work is supposed to have $80 overtime earnings, then if we see data with 4 h work and more than $80 overtime earnings, then there is a misconduct and waste on overtime earnings.

  a) Deliverable links:
  Google Collab:
  - https://colab.research.google.com/drive/1gVfObsV1cbzK5XpTjjA9xc1m9cBou1LY#scrollTo=HNFvMTdVnkc6

  Canva Presentation:
  - https://www.canva.com/design/DAFhT2bOPo8/yQwNNNZhzI7tG6CVJzGC8g/edit
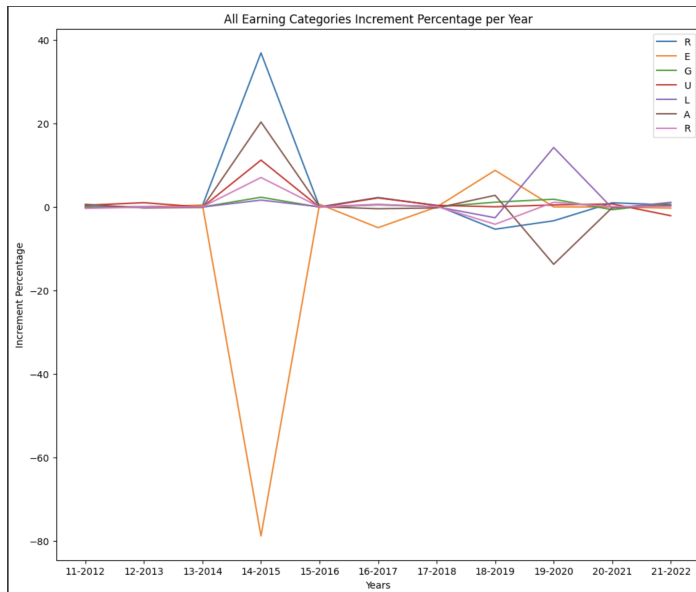

2. Individual team member updates:
[Each team member should give a summary of their personal contributions]

[Nurassyl Medeu]
- Presentation preparation
- Partially answered one of the clients question
- Data preprocessing for Field Activity Data

[Riva Sun]
- Worked on Deliverable 1 presentation, slides
- Data preprocessing for Field Activity Data
- Initial analysis of how overtime payments relate to potential wasteful payments.
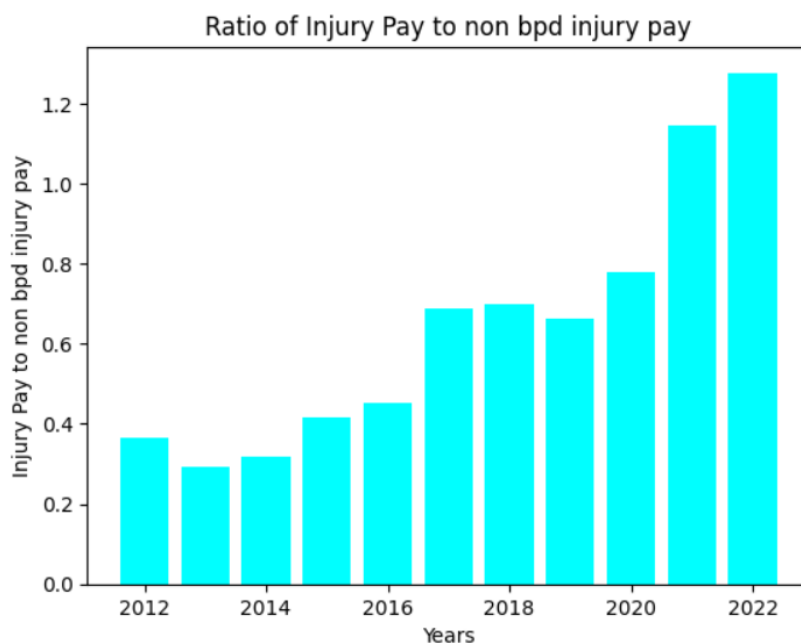- Plotted All Earning Categories Increment Percentage per Year

All Earning Categories Increment Percentage per Year

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[Truc Duong]

- Worked on Deliverable 1 presentation, slides
- Research about the demographics of Police officers
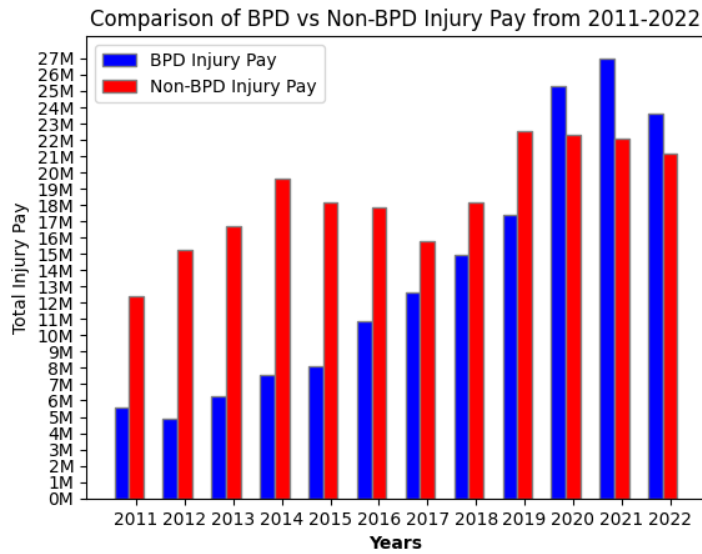- Contacted TA and TPM in regards of clarification for datasets
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[Can Wang]

- Analysing previous data and tries to determine if BPD employee gave a better subsidy
- Comparing the injury payment of BPD to Non-BPD department.
- Found out that BPD averange payment is increasing compare to other deparment and this somehow proves that employee there have a better payment in the later years.
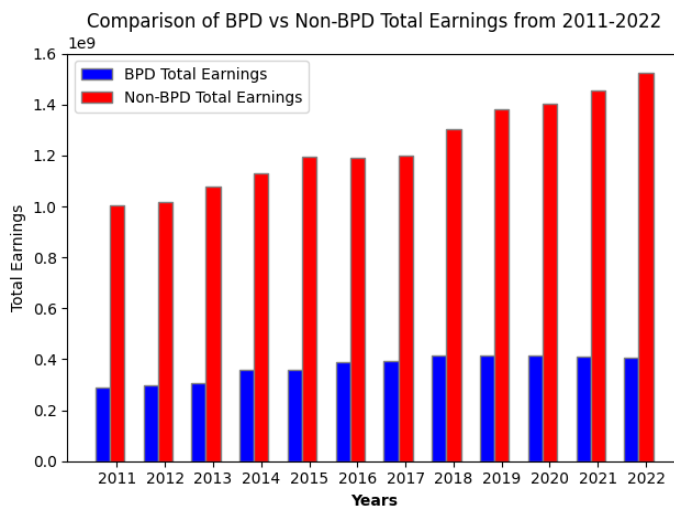- fixing previous code error caused by some new input data.

Ratio of Injury Pay to non bpd injury pay

[Al Mbaye]

● Compared BPD and Non-BPD injury pay from 2011-2022

Comparison of BPD vs Non-BPD Injury Pay from 2011-2022

● Compared BPD and Non-BPD total earnings from 2011-2022

Comparison of BPD vs Non-BPD Total Earnings from 2011-2022

3. Issues or blockers:
- Similar issues with data preprocessing

4. Plans for next week

- Gather BPD budget data from gov website
- Try to contact BPD directly to get Demographics data
- Complete preprocessing and initial analysis of field activity data
- Deeper research of graph trends