BPD Running Analytics

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The Dataset:
- Boston Cop Track
- The Woke Windows Project

Query1: Top 3 Types of Allegations
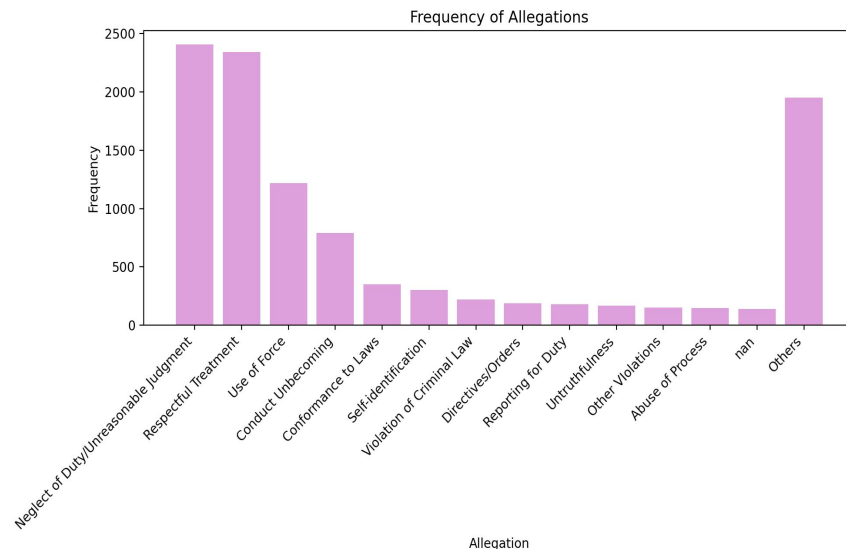
```
Query    Query History
1   SELECT
2       allegation,
3       COUNT(*) AS frequency,
4       ROUND((COUNT(*) * 100.0) / total.total_count, 2) AS percentage
5   FROM
6       bpd_allegations,
7       (SELECT COUNT(*) AS total_count FROM bpd_allegations) AS total
8   GROUP BY
9       allegation, total.total_count
10  ORDER BY
11      frequency DESC;
```


Frequency of Allegations

Total allegations: 10,553
Types of allegations: 357

Most common types (top 3):
1) Neglect of Duty/Unreasonable Judgment ⇒ 22%
2) Respectful Treatment ⇒ 22%
3) Use of Force ⇒ 11%

Collectively constitute over 50% of all allegations.
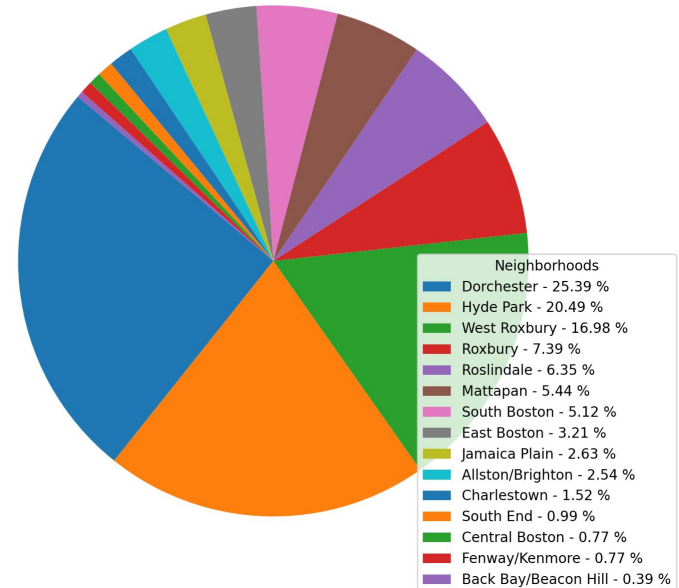
Query2: the Most Affected Neighborhoods

```
Query    Query History
 1  SELECT
 2      neighborhood,
 3      COUNT(*) AS frequency
 4  FROM
 5      bpd_allegations
 6  WHERE
 7      neighborhood IS NOT NULL
 8  GROUP BY
 9      neighborhood
10  ORDER BY
11      frequency DESC;
12
```

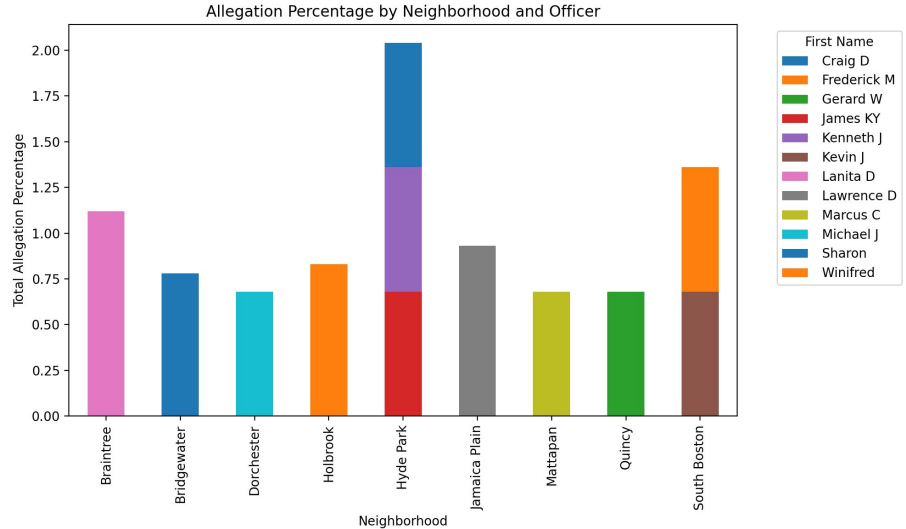Correlation: High criminal activity ⇒ high police brutality rate.

Allegation Frequency Distribution by Neighborhoods

Neighborhoods
- Dorchester - 25.39 %
- Hyde Park - 20.49 %
- West Roxbury - 16.98 %
- Roxbury - 7.39 %
- Roslindale - 6.35 %
- Mattapan - 5.44 %
- South Boston - 5.12 %
- East Boston - 3.21 %
- Jamaica Plain - 2.63 %
- Allston/Brighton - 2.54 %
- Charlestown - 1.52 %
- South End - 0.99 %
- Central Boston - 0.77 %
- Fenway/Kenmore - 0.77 %
- Back Bay/Beacon Hill - 0.39 %

Query3: Police Officers with the Most # of Allegations

Query   Query History

```sql
1   WITH TotalAllegations AS (
2       SELECT COUNT(*) AS total FROM public.bpd_allegations
3   )
4   SELECT
5       o.first_name,
6       o.last_name,
7       o.rank,
8       COALESCE(o.neighborhood, oe.neighborhood)AS neighborhood,
9       COUNT(a.allegation) AS allegation_count,
10      ROUND((COUNT(a.allegation) * 100.0) / ta.total, 2) AS allegation_percentage
11  FROM
12      public.bpd_officers o
13  LEFT JOIN
14      public.bpd_allegations a ON o.badge = a.badge
15  LEFT JOIN
16      public.wwp_officers oe ON o.employee_id = oe.employee_id
17  CROSS JOIN
18      TotalAllegations ta
19  WHERE
20      o.active = TRUE
21  GROUP BY
22      o.first_name,
23      o.last_name,
24      o.rank,
25      COALESCE(o.neighborhood, oe.neighborhood),
26      ta.total
27  ORDER BY
28      allegation_count DESC;
29
```


Allegation Percentage by Neighborhood and Officer

Summary

- Prioritize the development of **specialized training modules, revise relevant operational policies, enforce strict accountability standards, and foster community engagement efforts.**
- Prioritize **Dorchester and Hyde Park** for a comprehensive review of **policing practices and community relations strategies.**
- The need for **tailored interventions.**

Thank you for listening!
Any question?

Vote

1. Credit Report

2. NYC Taxi

3. Soccer