

Data Science Seminar: Checkpoint 3 Findings

The Earnest Pirates

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Checkpoint 3: Interactive Visualization

Introduction -

We intend to explore the temporal aspect of the number of allegations per year for individual police units. Additionally, we want to visualise the percentage of sustained allegations with respect to the rank of the police officer

Visualization Questions -

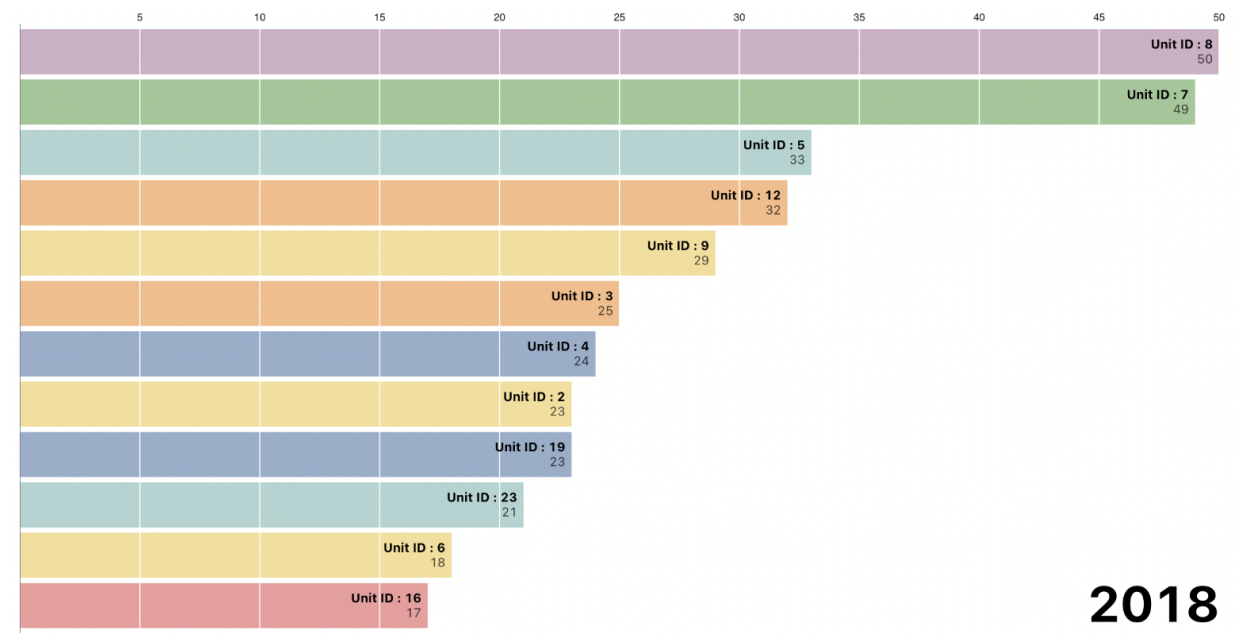
1. Identifying the distribution of allegations in a particular police unit with time.
2. Identify the relationship between the rank of the police officer and the percentage of allegations sustained.

Results -

1 . Identifying the distribution of allegations in a particular police unit with time.

The objective of this visualization is to get an understanding of the number of allegations corresponding to particular police units with respect to years. We have used a bar chart approach to visualize the number of allegations such that we get an idea about which police units are having increasing allegations per year.

Following are some of the captures for the interactive visualizations:



Police Rank	Percentage Sustained Allegation
Police Officer Assigned as Announcer	100
Unsworn	60
District Watch Commander	60
Chief II	56
Police Officer / Mounted Patrol Officer /	55
Extradition Officer	50
PT Clerk	44
Police Officer (Per Arbitration Award)	33
Coordinator	31
Detection Aide	30
Police Dispatcher	30
Special Aide	28
Police Technician	18
Property	17
SR Typist	16
Crossing Guard	16
Police Dispatcher	15
Police Forensic Technician	15
First Deputy Supervisor	13
Principal Investigator	11
Police Officer / Computer Operator	11
Police Officer Assigned Traffic Specialist	11
Police Officer Assigned Youth Officer	10
Police Officer / Legal Officer	9
Latent Fingerprint Examiner	9
Assistant Supervisor	9
Assistant	9
Sergeant / Police Agent	9
Police Officer Assigned Security Specialist	8
Police Officer Assigned Traffic Specialist	8
Police Officer Assigned Evidence Specialist	8
Supervisory Technician	8
Latent Fingerprint Examiner	8
Police Officer / Field Training Officer	7
Explosives Tech	7
FIA Tech	6
Security Specialist	6
Lieutenant of Police	6
Police Officer / Marine Officer	6
Sergeant of Police	5
Gang Crimes	5
Police Officer as Detective	5
SR Public Searched	4
Police Officer Assigned Evidence Tech	4
Canine Handler	4
Deputy Supervisor	4
Deputy Chief	3
Police Officer Assigned as Helicopter Pilot	3
Sergeant	2
Director of Canine	2
SRPS	2
Chief	2
Commander Of General Support	2
Police Forensic Investigator	2
SR Evidence	2
Police Aide	2
Explosives Technician	2
Police Lab Tech I	2
Police Lab Tech II	2
Police Lab Tech III	2
Director Of Neighborhood Relations	2
Police Communications	2
Motor Maintenance	2
Physical Fitness Coordinator	2
FIA Tech II	2
Deputy Chief	2
Police Forensic Investigator	2
Police Forensic Investigator	2
Superintendent's Chief Of Staff	2
Explosives Tech II	2
Assistant Director News Affairs	1