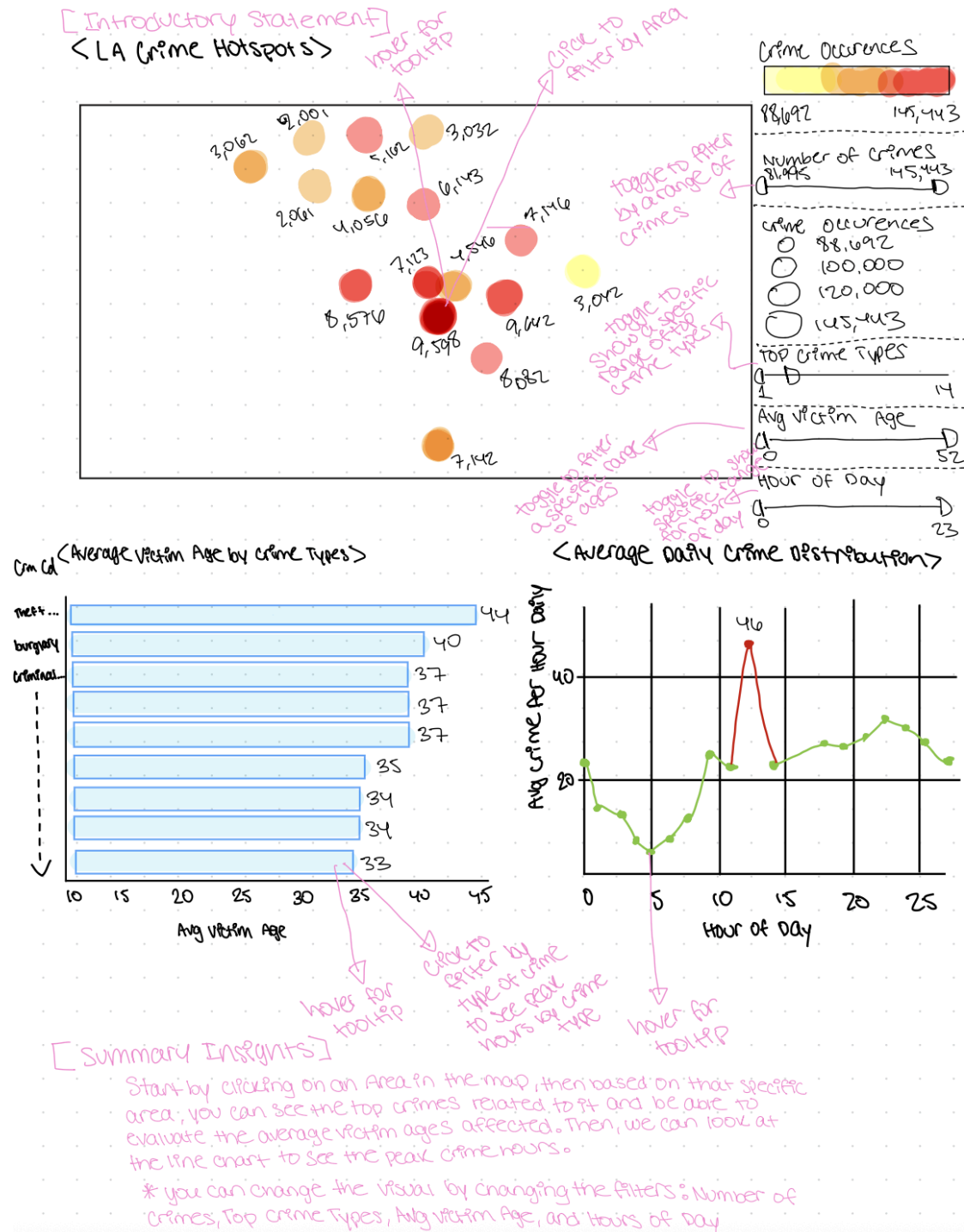


PD6 - Build and Present Your Dashboard

Team Members: Felicia Vijayarangam, Srithulasi Nidamanuru, Jack Gibson, Brandon Barber, and Moulik Jain

Part 1: Dashboard Design and Structure

Step 1: Plan the Layout and Structure



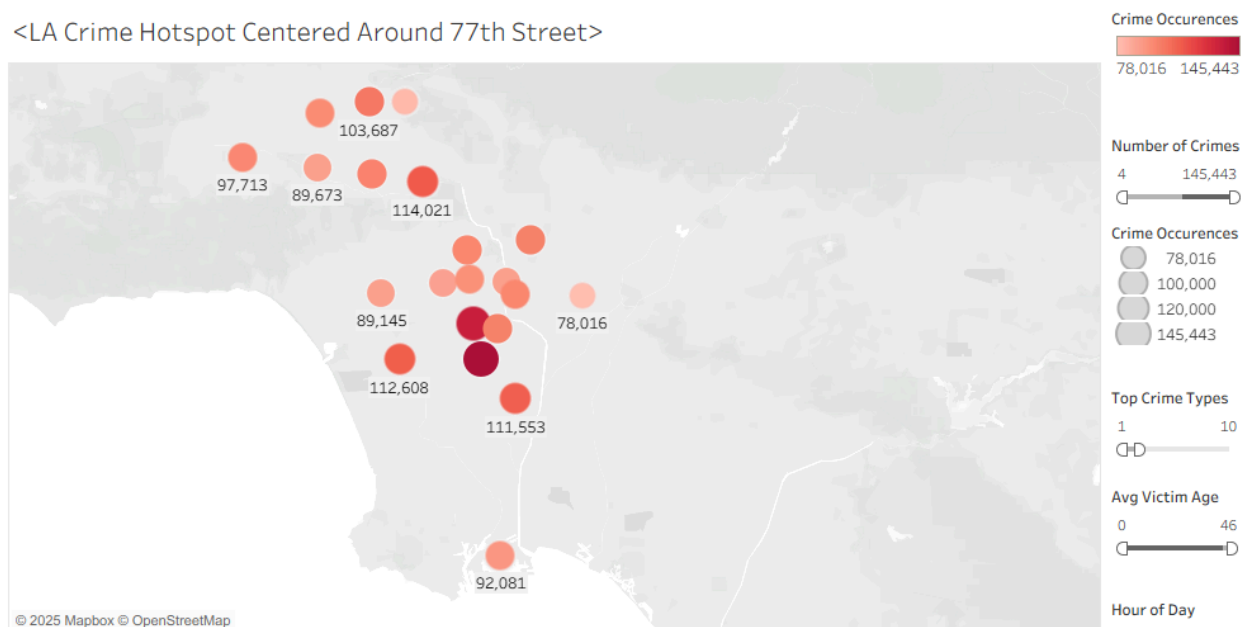
Part 2: Build and Refine the Dashboard

Step 1: Build Your Dashboard

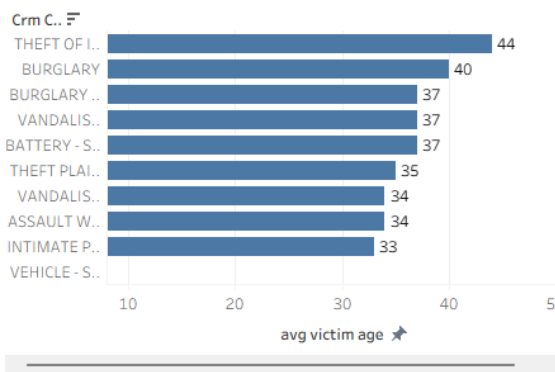
Dashboard:

https://public.tableau.com/views/FinalDS330DashboardPD6/Dashboard1?:language=en-US&publish=yes&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link

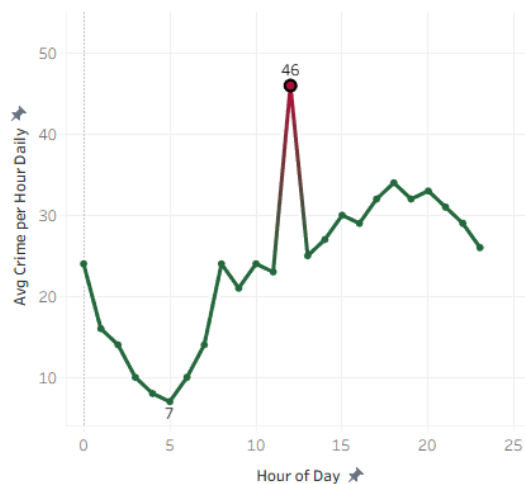
<LA Crime Hotspot Centered Around 77th Street>



<Top Crime Types Committed Based On Victims Age>



<Avg Daily Crime Distribution Based On Crime Type>



Step 2: Final refinements

Summary:

Conclude with a clear call-to-action or final insight

The dashboard provides its audience with an overview of the crimes committed in Los Angeles. The dashboard starts with a visualization depicting LA crime hotspots centered around 77th street. These locations are highlighted in red with darker color relating to the severity of the rate of crimes in each area. Then sideways bar charts are used to give insight into the most common crime types with the average age of the victims displayed next to each bar. The final visualization is a line graph used to show how the average rate of crime changes throughout the course of a day. To improve the experience of using the dashboard, interactive features like filters and highlight actions are used to increase detail and help in narrowing information.

Final Insight:

Crime in LA is centered around 77th street with crime most commonly occurring at noon.

Call-to-action:

Use this dashboard to help identify who is at risk of facing crime and to avoid high risk areas at peak crime hours.

Collaboration Logs, documenting each meeting held for this PD.

WEEKLY COLLABORATION LOG: Team 7

Week: [16] | Dates: [12/8-12/12] | Recorder: [Jack Gibson]

1. MEETINGS

- Meeting 1: [12/12, 1:10 PM, 1 hour, Online]

* Attendees: [Sri Nidamanuru, Felicia Vijayarangam]

* Agenda items and outcomes:

1. Determine the key components that would be used

- Outcome: Decided which visuals would work best..

2. Create a blueprint for the dashboard

- Outcome: Made a layout for how the sketch would look.

3. Decide what interactive features to include

- Outcome: Outlined important information to provide and implemented them as features.

2. KEY DECISIONS

- Decision 1: Deciding on what visualizations to use for the dashboard

* Process: Went through every visualization and narrowed them down to the ones that best conveyed the information we wanted the dashboard to provide.

* Alternatives considered: Considered using the visualizations for victim distribution by gender and crime rate during each day of the year.

* Rationale: Felt that the visualizations we picked would best suit the goal of the dashboard.

- Decision 2: Decided on the structure for the dashboard

* Process: Tried different orientations until we found one that flowed like a story from beginning to end.

* Alternatives considered: Viewed the potential layout in different orders with the temporal and victim age visualizations at the beginning of the dashboard

* Rationale: The information from the visualizations flowed the best through the layout that we tried.

3. MEMBER CONTRIBUTIONS

- Sri Nidamanuru:

* Ideas/perspectives: brainstormed the functionalities of some of the visuals and how to present it in the dashboard

- * Impact on project: I drew up the sketch in part 1

- Moulik Jain:

- * Ideas/perspectives: Contributed ideas on interactive features, ensuring filters for Top Crime Types and Hour of Day were effective

- * Impact on project: Responsible for thoroughly testing the dashboard's interactivity and overall usability before final submission

- Felicia Vijayarangam:

- * Ideas/perspectives: Looked at our previous PDs to formulate which graphs we need to include in this final dashboard.

- * Impact on project: I created the dashboard in Tableau.

- Jack Gibson:

- * Ideas/perspectives: Gave input into storytelling structure and the conclusion of the dashboard.

- * Impact on project: Completed the final refinements for the dashboard

- Brandon Barber:

- * Ideas/perspectives: Line graph showing crime numbers

- * Impact on project: Initial visualizations that inspired final charts

4. COLLABORATION ASSESSMENT

- Strengths:

- Work was completed quickly and efficiently.

- Challenges:

- Coordinating schedules for virtual meetings.

- Improvement plan:

- Establish group availability early to more effectively schedule meetings

5. CONFIRMATION

- This log has been reviewed by all team members and will be:

- * Emailed to all team members by [12/12]

- * Submitted to the designated teaching team member [12/12]

- * Next week's recorder: [Brandon Barber]