

Sprint 1 Retrospective

Project: STL Tornado ROI Dashboard

Date: February 18, 2026

Written in collaboration with Google Gemini

1. Highlights

- **Technical Foundation:** Successfully established the core tech stack, including Supabase and Prisma, providing a solid base for the backend.
- **Skill Acquisition:** Rapidly upskilled in machine learning concepts like Decision Trees and Regression.
- **Delivery:** Successfully presented the project ideas and goals in class.
- **Design Progress:** Kicked off the UI/UX process with sketched dashboard designs and architectural mapping.

2. Challenges & Blockers

- **Meeting Readiness:** Noted a lack of preparation for some sprint check-in meetings.
- **Timeline Management:** Difficulty in staying strictly on track with all defined sprint goals.
- **Tooling Learning Curve:** Understanding the nuances between standard SQL and PostgreSQL/Prisma took more time than initially anticipated.
- **Data Decisions:** Choosing between which areas to filter federal funds: zip code or tract. The team chose zip code to make data analysis more manageable.

3. Key Learnings

- **Database Logic:** Learned the specific differences between SQL and PostgreSQL and how to manage schemas effectively using Prisma.
- **Presentation Skills:** Gained experience in effectively communicating technical project goals to an audience.
- **Machine Learning:** Understood the practical applications of different ML models for the incident data.

4. Action Items for Sprint 2 (Start / Stop / Continue)

Category	Action Item
Start	Pre-meeting Briefs: Spend 10 minutes before check-ins reviewing progress to ensure the team is "better prepared."

Stop	Scope Creep: Avoid adding unplanned tasks mid-sprint to ensure all core goals are met on time.
Continue	Documentation: Keep updating the Notion page and task lists to maintain transparency between Bella and Seyun.

Sprint 1 "Health Check"

Overall Rating: Successful > While there were minor hiccups in meeting preparation, the technical and research goals were largely achieved, leaving the team in a strong position to begin data importation in the next phase.