

Group Members: Leonel Garibay-Estrada, Jiarui Hou, Macy Chen , Tyler Venner

# STA160 Project Plan

## Player Contract Prediction

Team Number: 5

Team Name (optional): Team Sharks

### 1. Team Members

- **Name A\*** (Data Science, 4th Year, skill highlights)
- **Jiarui Hou:** (Statistics, 4th year, Modeling and ML)
- **Tyler Venner** (Statistics, 4th, ML and probability)
- **Macy Chen** (Statistics, 4th, Data analysis and ML)
- **Alberto Ramirez** (Statistics, 4th year, )

*\* denotes team leader.*

### 2. Motivation & Problem Statement

*What question or problem are you addressing? Why is it important (academic, practical, or social relevance)? What is the intended audience/use?*

### 3. Data Sources

- **Datasets:**
- **Access:**
- **Preprocessing:**
- **Ethics/Privacy:**

### 4. Methods & Tools

- **Methods:**
- **Tooling:**
- **Computing:**
- **Reproducibility:**

### 5. Expected Outcomes

*What deliverables will you produce (figures, models, dashboards, docs)? How will you*

*evaluate success (metrics, baselines, ablations, interpretability)?*

## 6. Risks & Mitigations

*Identify key risks (data availability/quality, scope creep, feasibility) and mitigation plans (backup datasets, simplified scope, staged milestones).*

## 7. Timeline & Milestones

*Customize weeks/dates to match the course deadlines.*

| Week / Date | Goal / Deliverable | Responsible |
|-------------|--------------------|-------------|
| Week 3      |                    |             |
| Week 4      |                    |             |
| Week 5      |                    |             |
| Week 6      |                    |             |
| Week 7      |                    |             |
| Week 8      |                    |             |
| Week 9      |                    |             |
| Week 10     |                    |             |

## 8. Division of Work

*Focus on tasks first, then the owner(s). Use one or many members per task as needed.*

| Work            | Skills | Owner        |
|-----------------|--------|--------------|
| Data collection |        | Member: XXXX |
| ...             |        |              |

## 9. Constraints & Policies (Course-Specific)

- **Collaboration:** State how the team will collaborate.
- **AI Usage:** Describe how you would use it.
- **Attribution:** Cite all sources.

***Tip:** Keep this plan living. Update milestones, owners, and risks as the project evolves.*