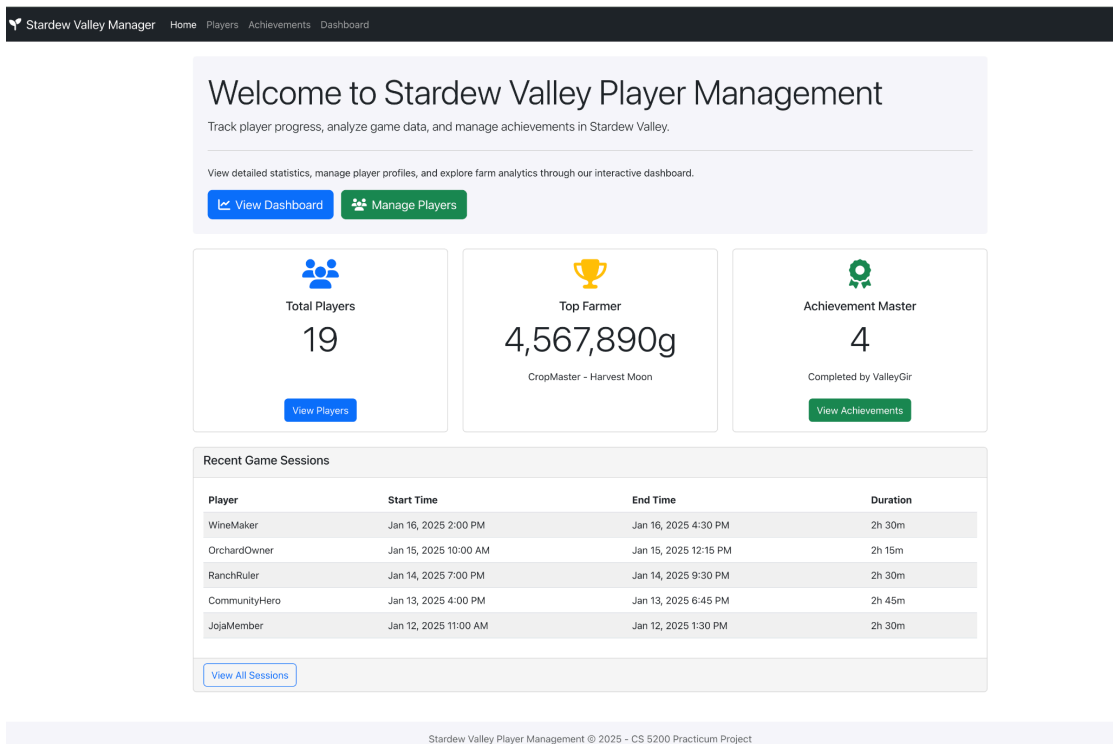# Dashboard Visualizations for Stardew Valley Player Management
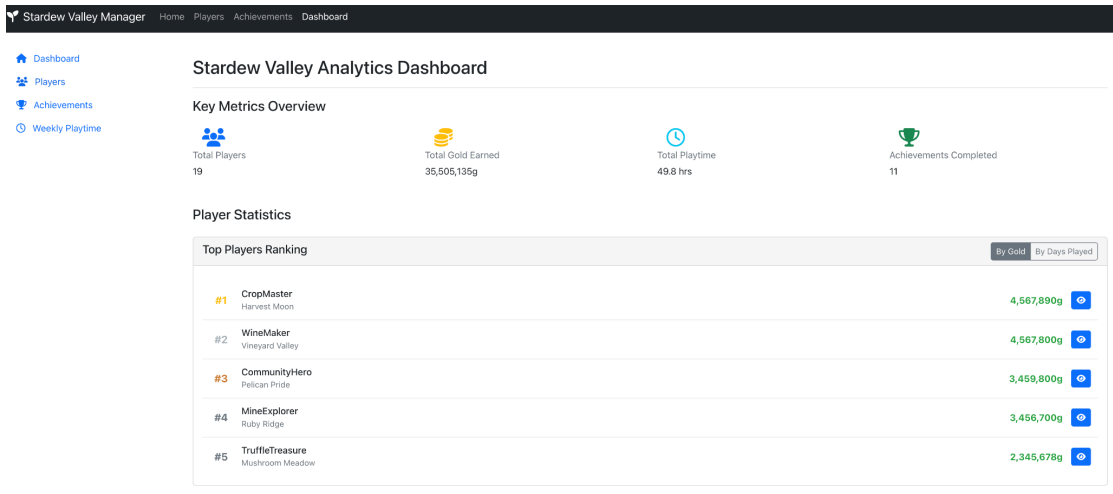
The Stardew Valley Manager web application consists of four main sections: Home, Players, Achievements, and Dashboard.

The Home page of Stardew Valley Manager serves as the entry point to the application, offering a quick overview of total players, top farmer by gold earned, and the player with the most achievements. It also displays recent game sessions with start and end times, helping users track recent activity. From here, users can easily navigate to the Dashboard, manage player profiles, or view detailed achievements.

Analytics Dashboard Overview: This interface displays core metrics for Stardew Valley players, including total player count (19), total gold earned (35,505,135g), total playtime (49.8 hours), and completed achievements (11). The top navigation bar provides quick access to main functional areas, while the main section displays top players ranked by gold, with clear ranking indicators and gold amount comparisons.

Top Players Ranking Component: This component uses <mark>interactive sort (By Gold/By Days Played) to display player rankings</mark>. The leaderboard clearly shows each player's ranking position (#1-#5), player name, farm name (in both English and Chinese), and precise gold amounts. CropMaster leads WineMaker by a narrow margin (4,567,890g vs 4,567,800g). Blue buttons at the end of each row allow administrators to quickly view detailed information.

| Stardew Valley Manager | Home | Players | Achievements | Dashboard |

Stardew Valley Analytics Dashboard

Dashboard
Players
Achievements
Weekly Playtime

Key Metrics Overview

Total Players	Total Gold Earned	Total Playtime	Achievements Completed
19	35,505,135g	49.8 hrs	11

Player Statistics

Top Players Ranking
| By Gold | By Days Played |

#1	CropMaster Harvest Moon	4,567,890g
#2	WineMaker Vineyard Valley	4,567,800g
#3	CommunityHero Pelican Pride	3,459,800g
#4	MineExplorer Ruby Ridge	3,456,700g
#5	TruffleTreasure Mushroom Meadow	2,345,678g

Achievements Leaderboard: A player list sorted by number of completed achievements, clearly ==showing the community's most active achievement hunters.== Each player's progress is visualized with percentage and progress bars, providing intuitive comparison.

Achievements

Top Achievement Holders

#	Player	Completed	Progress
1	ValleyGirl	4	20%
2	FarmerJohn	3	15%
3	StarGazer	2	10%
4	CropMaster	1	5%
5	AnimalWhisperer	1	5%

View All Achievements

Users can click on any player in the ranking to view a detailed list of ==that player's unlocked achievements.==

Achievements

Overall Progress

Total Achievements	20
Completed	4
Completion Rate	20%

20%

Recent Unlocks

Mother Catch Unlocked by ValleyGir	Jan 03, 2025
Fisherman Unlocked by ValleyGir	Jan 03, 2025
Greenhorn Unlocked by ValleyGir	Jan 01, 2025
A New Friend Unlocked by ValleyGir	Jan 01, 2025

All Achievements

Greenhorn — Completed	A Complete Collection — In Progress	A New Friend — Completed
Earn 15,000g	Complete the museum collection	Reach 5 hearts with a villager
Best Friends — In Progress	Beloved Farmer	Master Angler — In Progress
Reach 10 hearts with 5 villagers	Reach 10 hearts with 8 villagers	Catch every fish
Mother Catch — Completed	Fisherman — Completed	
Catch 100 fish	Catch 10 different fish	

The Weekly Playtime page visualizes total playtime per player per week <mark>using nested aggregation with GROUP BY</mark>. Users can <mark>filter</mark> data by week and player name, and view both bar chart distributions and detailed tables.

Weekly Playtime Analysis

⟳ Refresh Data

▼ Filters

Select Week

| All Weeks | ▾ |

Select Players

☑ **Select All Players**

☑ AnimalWhisper
☑ BeeKeeper
☑ CaveCaretaker
☑ CommunityHero
☑ CookingQueen
☑ CraftKing
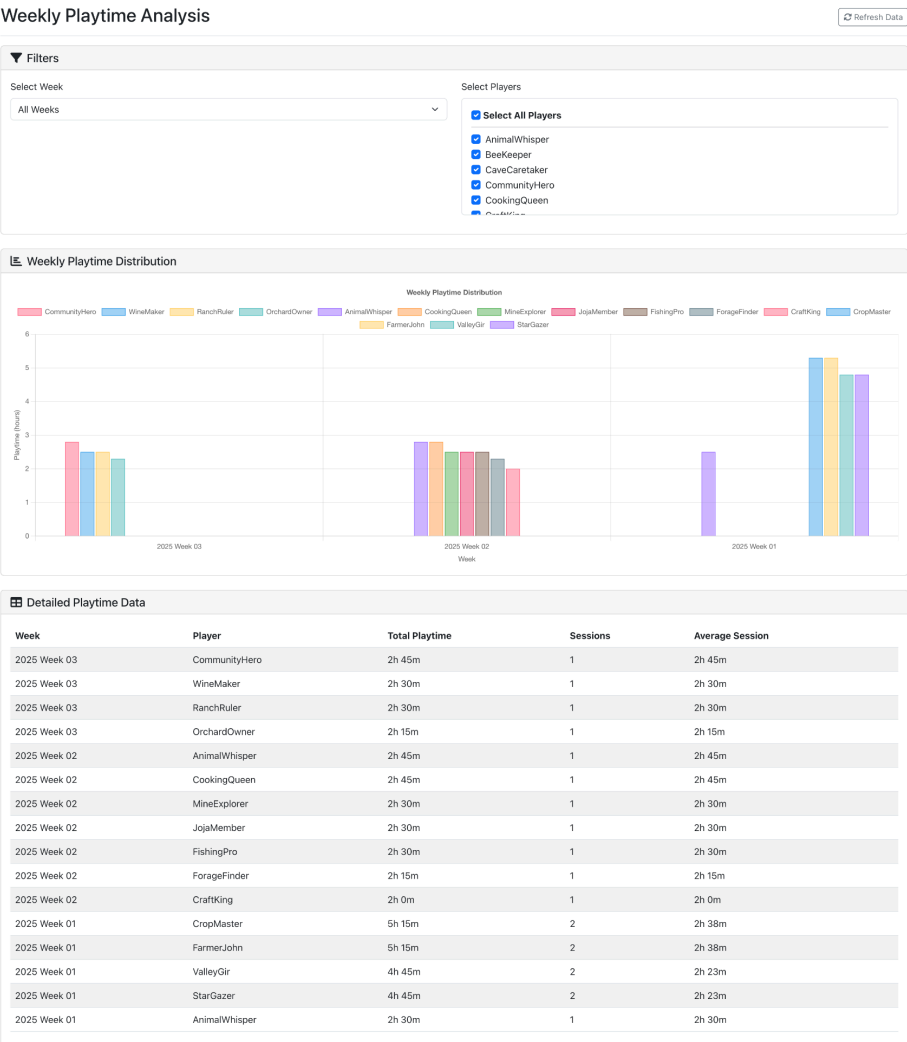
📊 Weekly Playtime Distribution

Weekly Playtime Distribution

Legend: CommunityHero, WineMaker, RanchRuler, OrchardOwner, AnimalWhisper, CookingQueen, MineExplorer, JojaMember, FishingPro, ForageFinder, CraftKing, CropMaster, FarmerJohn, ValleyGir, StarGazer

⊞ Detailed Playtime Data

Week	Player	Total Playtime	Sessions	Average Session
2025 Week 03	CommunityHero	2h 45m	1	2h 45m
2025 Week 03	WineMaker	2h 30m	1	2h 30m
2025 Week 03	RanchRuler	2h 30m	1	2h 30m
2025 Week 03	OrchardOwner	2h 15m	1	2h 15m
2025 Week 02	AnimalWhisper	2h 45m	1	2h 45m
2025 Week 02	CookingQueen	2h 45m	1	2h 45m
2025 Week 02	MineExplorer	2h 30m	1	2h 30m
2025 Week 02	JojaMember	2h 30m	1	2h 30m
2025 Week 02	FishingPro	2h 30m	1	2h 30m
2025 Week 02	ForageFinder	2h 15m	1	2h 15m
2025 Week 02	CraftKing	2h 0m	1	2h 0m
2025 Week 01	CropMaster	5h 15m	2	2h 38m
2025 Week 01	FarmerJohn	5h 15m	2	2h 38m
2025 Week 01	ValleyGir	4h 45m	2	2h 23m
2025 Week 01	StarGazer	4h 45m	2	2h 23m
2025 Week 01	AnimalWhisper	2h 30m	1	2h 30m

The Players page displays a complete list of all registered players, including their farm names, total gold earned, and number of in-game days. The table is fully interactive, allowing users to sort the list by any column such as ID, name, gold earned, or in-game days. Each player entry includes action buttons to view detailed profiles or edit player information.

The Player Profile page offers a detailed view of an individual player's data. At the top, it displays basic profile information alongside game statistics such as total sessions, total playtime, and average session duration. The player's assets section displays their crops, animals, and inventory, with filter options (e.g., by season), allowing interactive filtering of asset data. A Delete Player button is available at the bottom. This operation is implemented with ON DELETE CASCADE, ensuring all associated sessions and achievements are also removed automatically. Additionally, the Edit button supports modifying player profile details, covering the Update Operation requirement.