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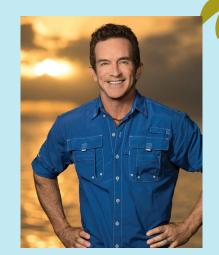


Goal: In this project, we wanted to work as a team to understand what it takes to win the CBS game show Survivor from a casting stand point and explore how the game has changed over 41 seasons.

Project Parts:

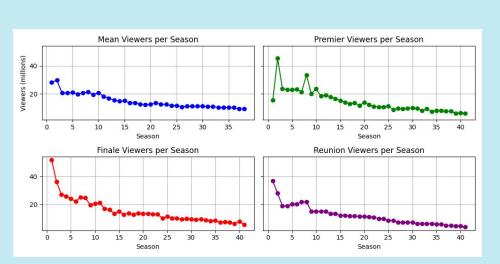
- I. Analysis of Show's Run (Visualizations)
- II. Analysis of Winners (Visualizations, Logistic Regression Model)
- III. Analysis of Castings (Power BI Dashboard)

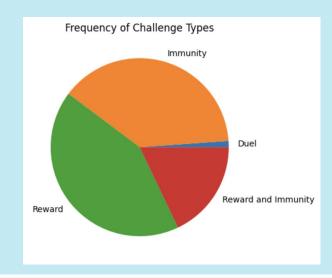
Data: Our data is sourced from David Oehm who organized several spreadsheets of information about each season's cast, challenge, viewers, and more. The data was originally developed to create the package "survivoR" but has been repurposed for this Python data analysis project.



O2 Analysis of the Show's Run

Analysis of Show over 41 Seasons





	precision	recall	f1-score	support
0	1.000000	0.857143	0.923077	7.000000
1	0.666667	1.000000	0.800000	2.000000
accuracy	0.888889	0.888889	0.888889	0.888889
macro avg	0.833333	0.928571	0.861538	9.000000
weighted avg	0.925926	0.888889	0.895726	9.000000

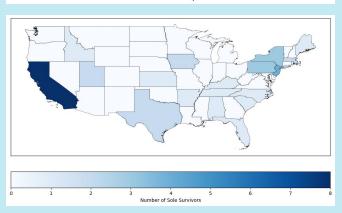
O3 Analysis of Winners

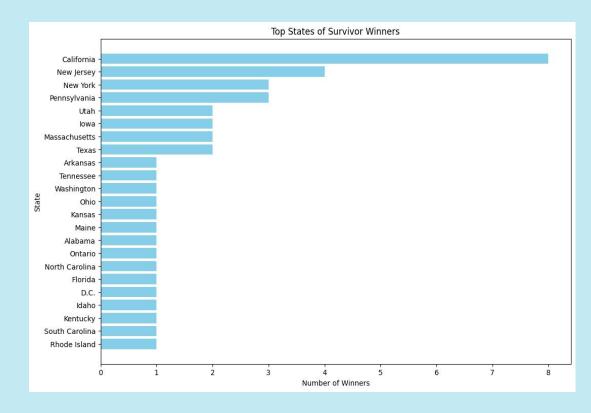


Hometowns

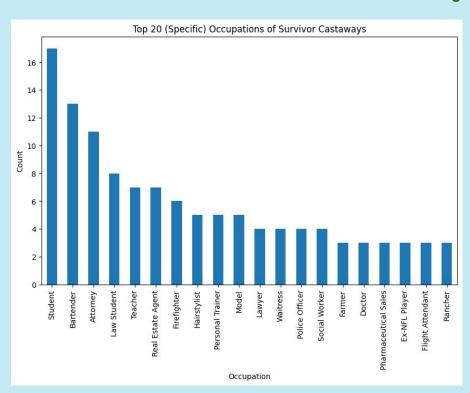


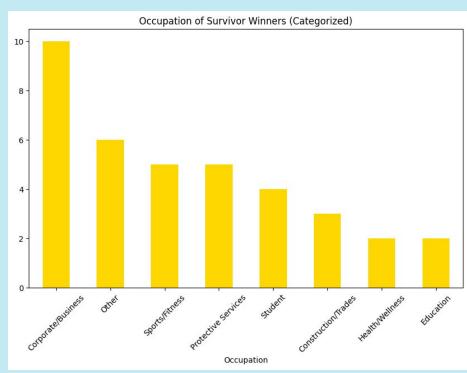




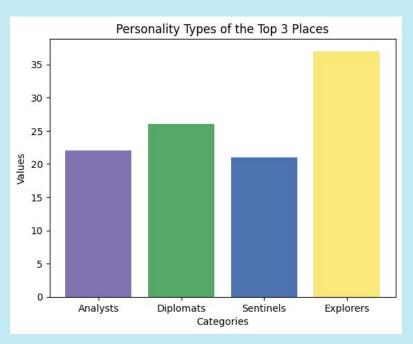


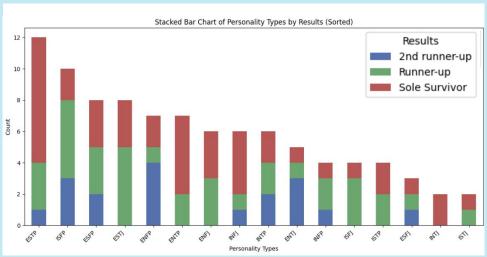
Occupations





Personality Types





04 Logistic Regression Model

Age and Gender

- Purpose
 - Predict the odds of becoming the Sole Survivor based on age and gender
- Prediction Example
 - Estimated odds of a 23-year-old male becoming the Sole Survivor

	precision	recall	f1-score	support
0 1	0.93 0.00	1.00 0.00	0.97 0.00	213 15
accuracy macro avg weighted avg	0.47 0.87	0.50 0.93	0.93 0.48 0.90	228 228 228
Odds of being	the Sole Surv	ivor: 5.	93%	

05 Dashboard



Dashboard

SURVIVOR ANALYTICS DASHBOARD

762

Count of Castaway Id

Season Name

- Survivor: 41
- Survivor: Africa
- ☐ Survivor: All-Stars
- Survivor: Blood vs. Water
- Survivor: Borneo
- Survivor: Cagayan

State, City

- ✓ □ Alabama
- Arizona
- ✓ ☐ Arkansas
- ∨ □ California
- ✓ ☐ Colorado
- ∨ □ Connecticut

