





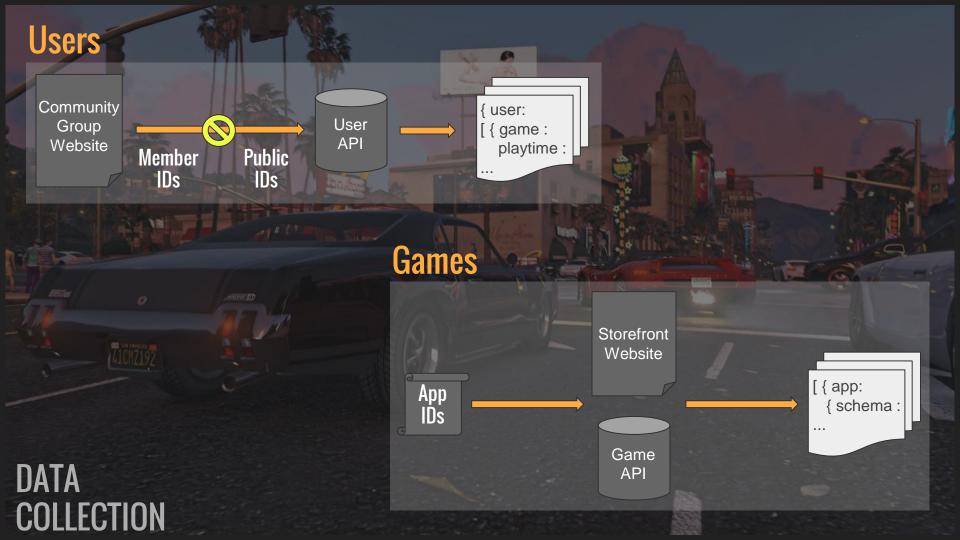
STEAMED UP

Brynne | Meg | Paul



Steam is an entertainment platform from Valve offering a storefront as well as a flexible client to game on.





KModes



Clustering Game Profiles







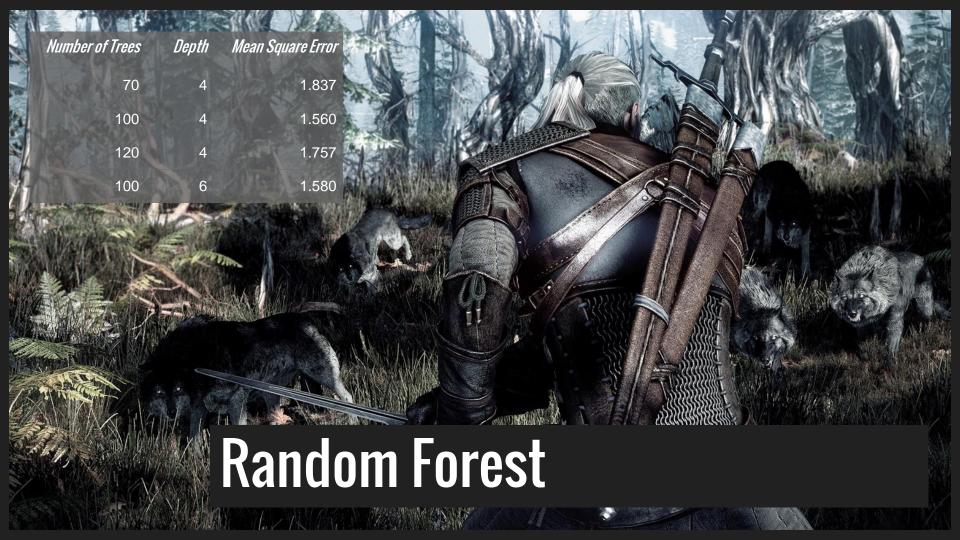




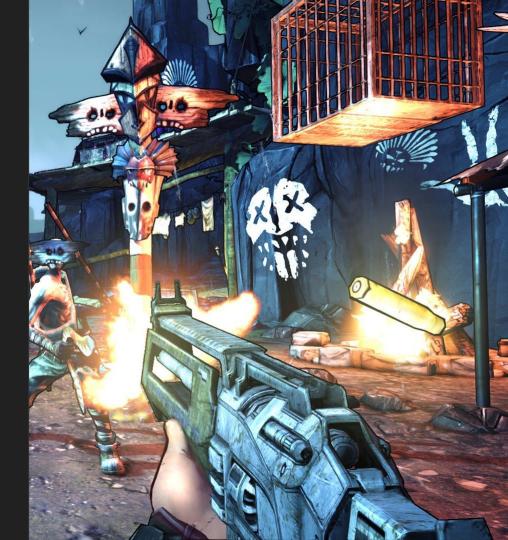




Design & Illustration Audio Production Web Publishing



Regression



TEST USER

Single test "super user"

Held each game out of training set one at a time and ranked predictions

BEST MODELS

- ☐ Linear Regression with log(playtime + 1)
- ☐ Logistic Regression

Majority of time spent on feature engineering.







Collaborative Filtering

CONSIDERATIONS

Method Mean Root Mean Absolute Error Square Error **Untreated Ratio** .97 2.36 Log Ratio .18* .24 Ratio to Discrete Rating .92 1.12 Log Ratio to Discrete Rating 1.14 .93

 Huge variety playtime across users "Super Users" skew playtime distribution

RATING

user playtime_{game} average playtime_{game}

| playtime > 0





Top Developers

- 1. Feral Interactive
- 2. Valve
- 3. Croteam

Top Genres

- 1. Action
- 2. Indie
- 3. Strategy

Our Test User

Top Tags

- 1. Action
- 2. Single-player
- 3. Multiplayer

Random Forest

Log-transformed Playtime

- 1. Road Redemption
- 2. Hands on Deck
- 3. Spartans Vs. Zombies
 Defense
- 4. Astro Lords
- 5. CaesarlA
- 6. Galcon 2
- 7. Battle for Blood
- 8. Simply Chess
- 9. Demise of Nations: Rome
- 10.Not the Robots

Collaborative Filtering

Binned Ratio of Ratings

- 1. VERLIES II
- 2. Pilot Crusader
- 3. Masterspace
- DvDrum, Ultimate Drum Simulator!
- 5. Herding Dog
- 6. Mystic Towers
- 7. RaySupreme 3D
- 8. Dandelion Wishes brought to you
- 9. Cheesecake Cool Conrad
- 10.Rise: Battle Lines

Linear Regression

Log-transformed Playtime

- 1. Fallout 3
- 2. Red Faction: Armageddon
- 3. Dead Island Riptide
- 4. The Witcher Adventure Game
- 5. Metro: Last Light Redux
- 6. Super Sanctum TD 22 Lyth-7
- 7. The Witcher: Enhanced Edition
- 8. Command and Conquer 4: Tiberian Twilight
- 9. MEDIEVAL: Total War\u2122
 - Gold Edition
- 10.Summoner



THANK YOU.