



Python

Home Decor Data Analysis



www.datawithmegan.com

www.linkedin.com/in/-megan-e-smith/

<https://github.com/megan-es>



Project Overview and Island Demographics

This project uses a dataset that includes information pertaining to characters and items in the game Animal Crossing: New Horizons. I used this dataset in combination with a list of villagers on my personal island, Sugarshine, to create a detailed analysis of home decor costs. I utilized the Pandas, Matplotlib, and Seaborn libraries to process data, create reusable stored functions, and develop insightful visualizations in Python.

Sugarshine Population Demographics

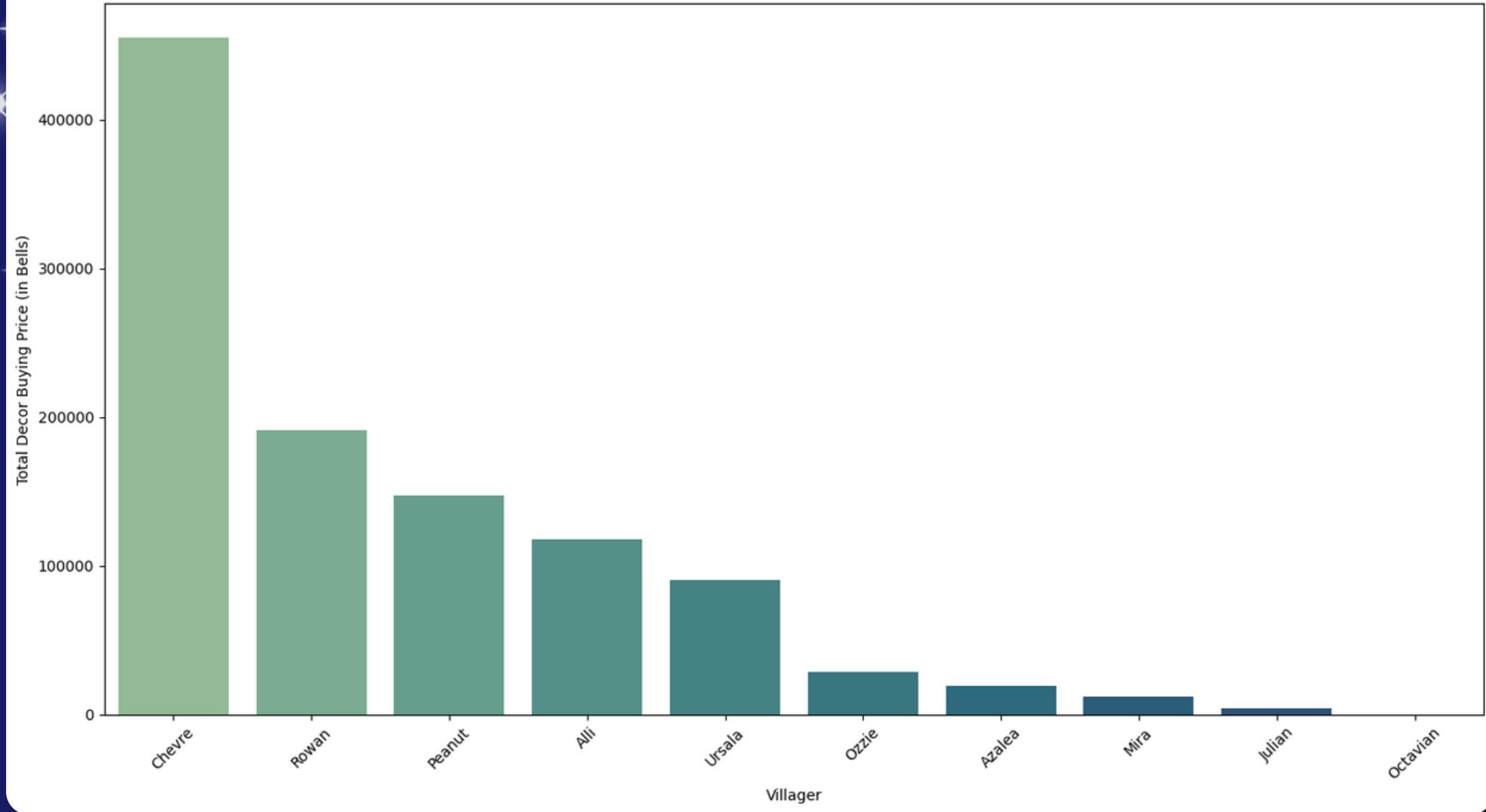
10 Villagers

60% Female, 40% Male

10 unique species and 8 unique personality types

Buying Price of Home Decor

Buy Price of Decor in Sugarshine Villagers Homes





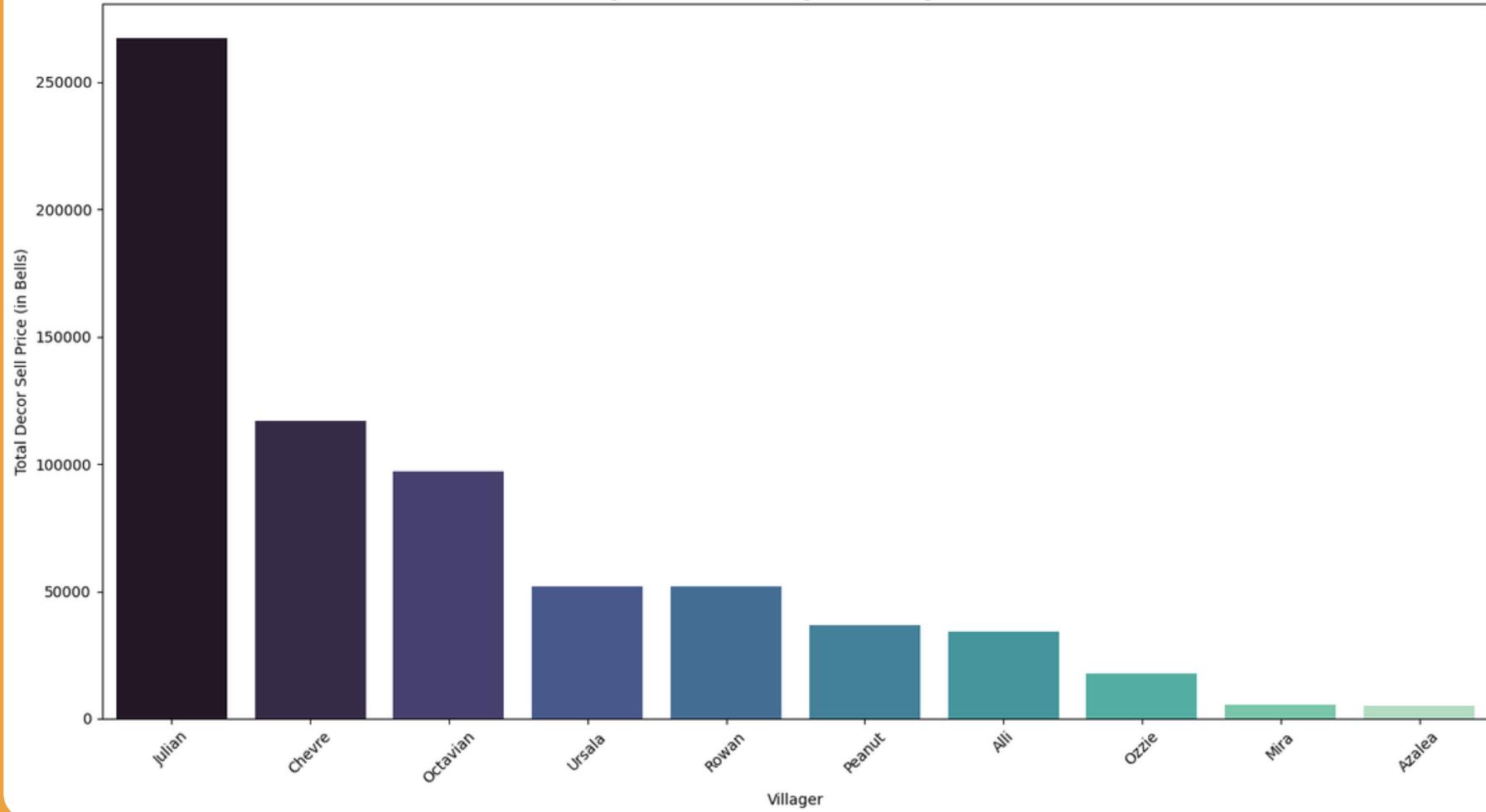
Chevre's home decor has the highest buying price, totaling 455,060 Bells!



Octavian's home decor has a buying price of 0 Bells, likely because his items are not for sale and therefore are acquired through DIY or other means.

Selling Price of Home Decor

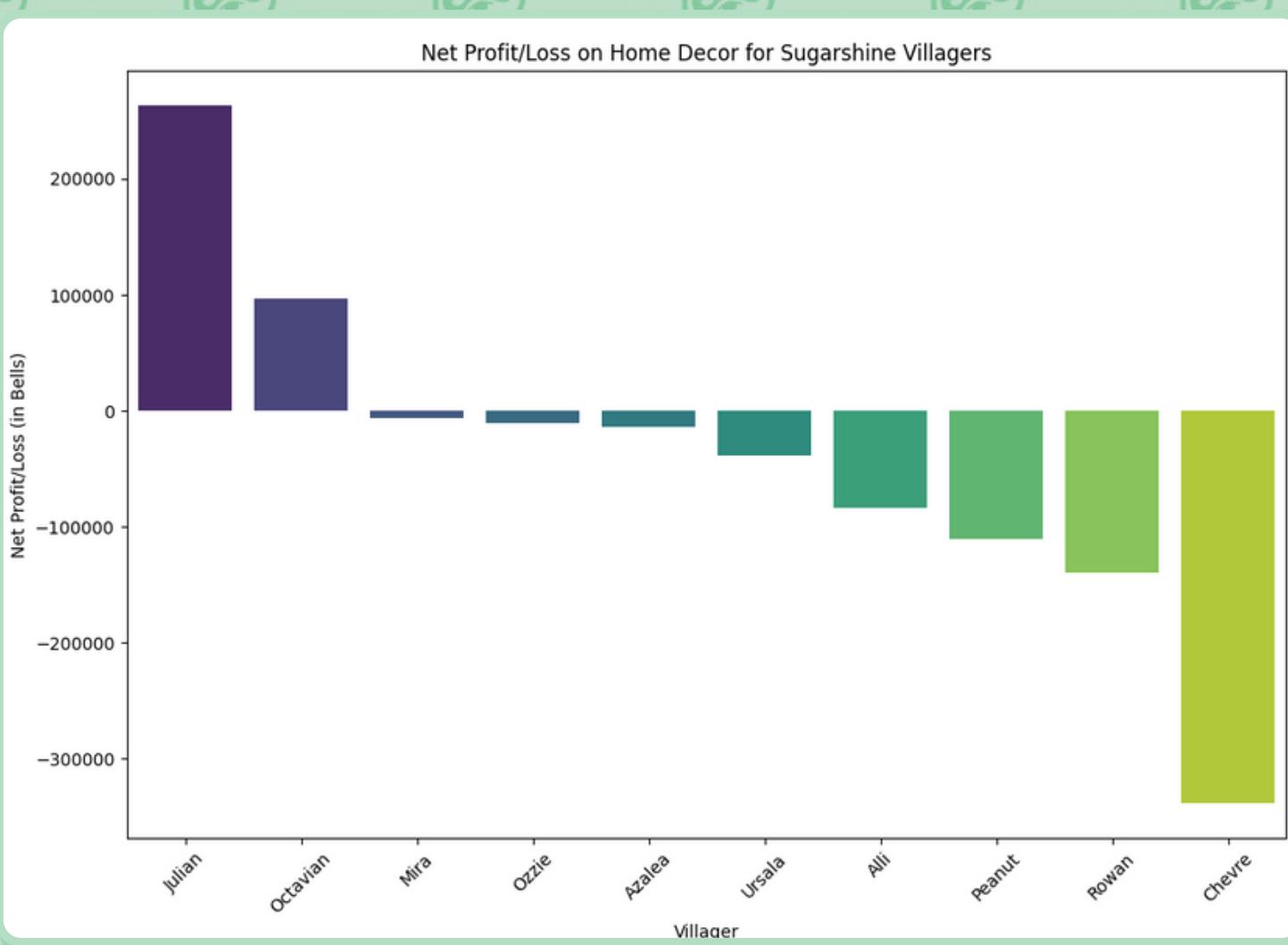
Selling Price of Decor in Sugarshine Villagers Homes



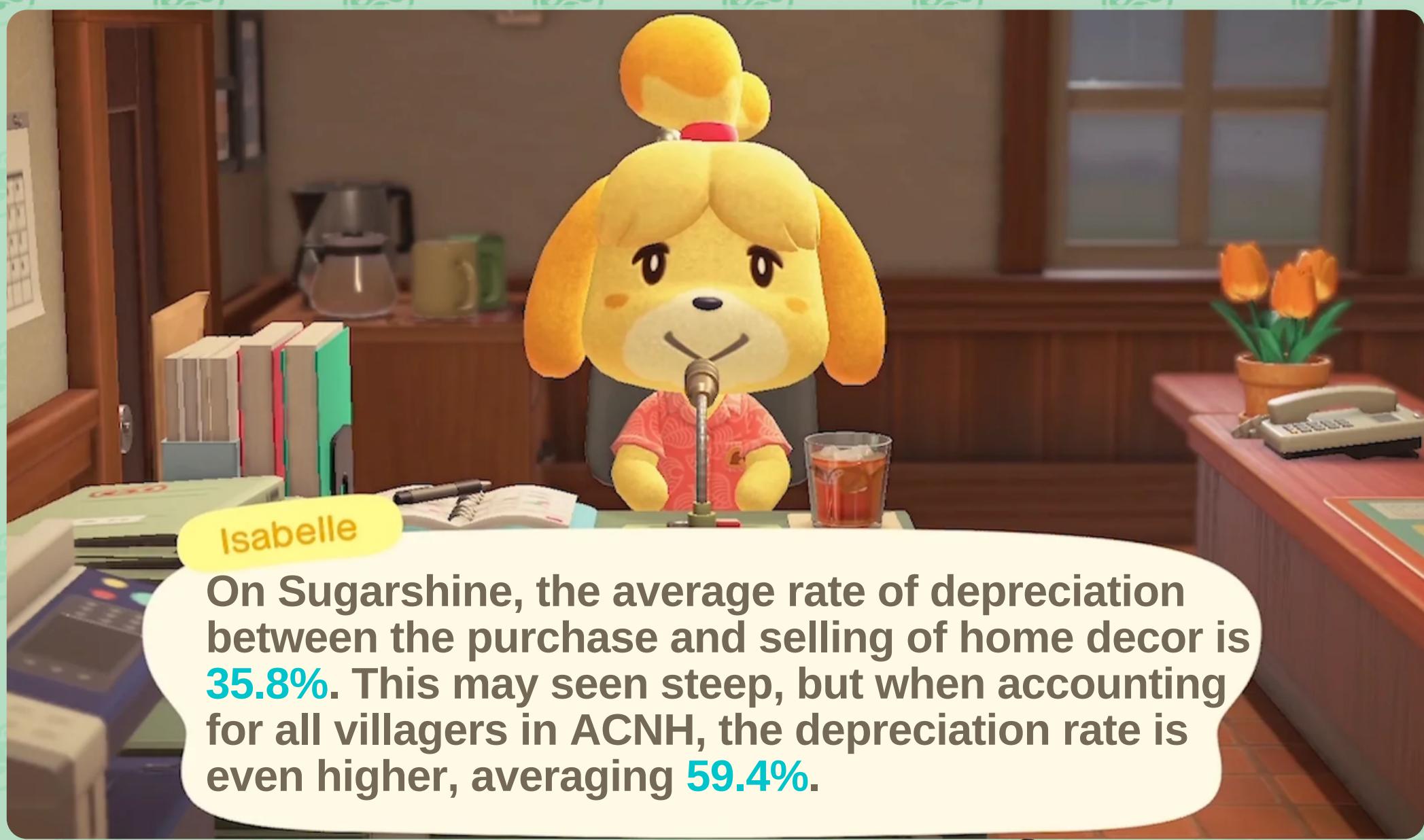
Julian's home decor has the highest selling price, with a total value of **267,325 Bells**.



Profitability of Home Decor Resale



Profit or loss of home decor value is calculated by subtracting the buying price from the selling price. Very few Sugarshine villagers would profit from reselling their home decor.



Other Fun Facts



Most Expensive Item

At 1,200,000 Bells, the **Royal Crown** is the most expensive item available for purchase in ACNH. It also has the highest selling price at 300,000 Bells.



Maximum Profitability

Out of all villagers on Sugarshine and in ACNH as a whole, **Julian's** home decor brings in the highest resell profit of 263,325 Bells.



Expensive Taste

Becky's home decor is the most expensive of any ACNH character, with a total purchase price of 770,690 Bells.



Poor Investments

Snooty villagers have the highest rate of home decor depreciation of any ACNH personality, with assets depreciating by 68.9% between purchase and resale.

Data Source:

<https://www.kaggle.com/datasets/jessicali9530/animal-crossing-new-horizons-nookplaza-dataset>

Images used in this project come from a combination of my personal screen captures during gameplay, as well as from the following sources:

<https://nookipedia.com>

<https://animalcrossing.nintendo.com/new-horizons/>

https://animalcrossing.fandom.com/wiki/Animal_Crossing_Wiki

<https://dstory.gumroad.com/l/acnhppt>

Further information about this project can be found in my Github repository:

<https://github.com/megan-es/animal-crossing-new-horizons-project>