# Animal Crossing Villager Recommender

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MSiA423 Analytics Value Chain | Project Presentation



#### Motivation







Once upon a time...







Your favorite villager want to explore the world and left your island...







You found a cutie on a deserted island...

Q/ Invite or not?



/ Villager Recommender!













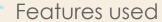
## **Demo**



#### Data Used & RDS usage

Name	Species	Gender	Personality	Hobby	Birthday	Catch- phrase	Favorite _Song	Style_1	Style_2	Color_1	Color_2	Wallpaper	Flooring	Furniture_ List	Filename	Unique_ Entry_ID
Admiral	Bird	Male	Cranky	Nature	27-Jan	aye aye	Steep Hill	Cool	Cool	Black	Blue	dirt-clod wall	tatami	717	brd06	XXX
Agent S	Squirrel	Female	Peppy	Fitness	2-Jul	sidekick	Go K.K. Rider	Active	Simple	Blue	Black	concrete wall	colorful tile flooring	7854	squ05	•••

Features altered





## $\rangle\rangle\rangle\rangle$ Kmodes + create recommendations + store in RDS

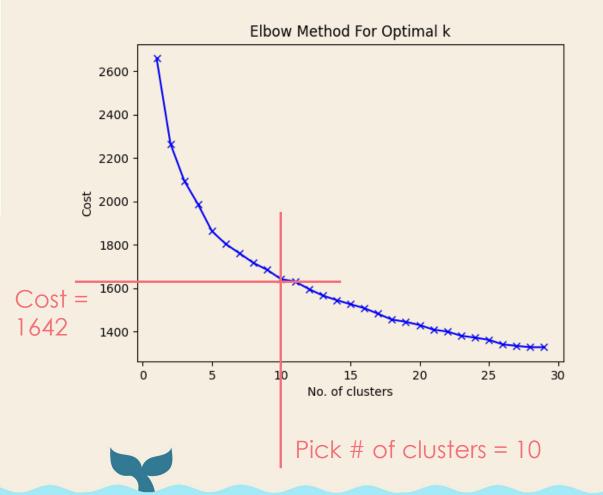
Input_name	Rec_name	Species	Gender	Personality	Hobby	Birthday	#1 style	#2 style	#1 color	#2 Color
Admiral	Agent	Squirrel	Female	Peppy	Fitness	2-Jul	Active	Simple	Blue	Black
App Input				Ap outp		000	00	4		







#### **Kmodes Model**









#### **Kmodes Model Insight**

Cluster 0: Lazy, simple, loves playing (count = 75)

