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QUESTIONS

- What does social representation through superheroes look like?
- What do superheroes typically look like?
- Does appearance impact alignment?
- What features are good predictors for superhero alignment?

DATA BACKGROUND

- Alignment whether a superhero is good, bad, or neutral. (For the purposed of this study, the focus will be only on good or bad alignments)
- Dataset taken from https://www.kaggle.com/claudiodavi/superhero-set/data
- Contains 11 features and 734 superheroes
- For the purposes of this analysis new features were added through the process of feature creation(height2, weight2, good, bad, hair, and no hair)

Height(Tall, Short)

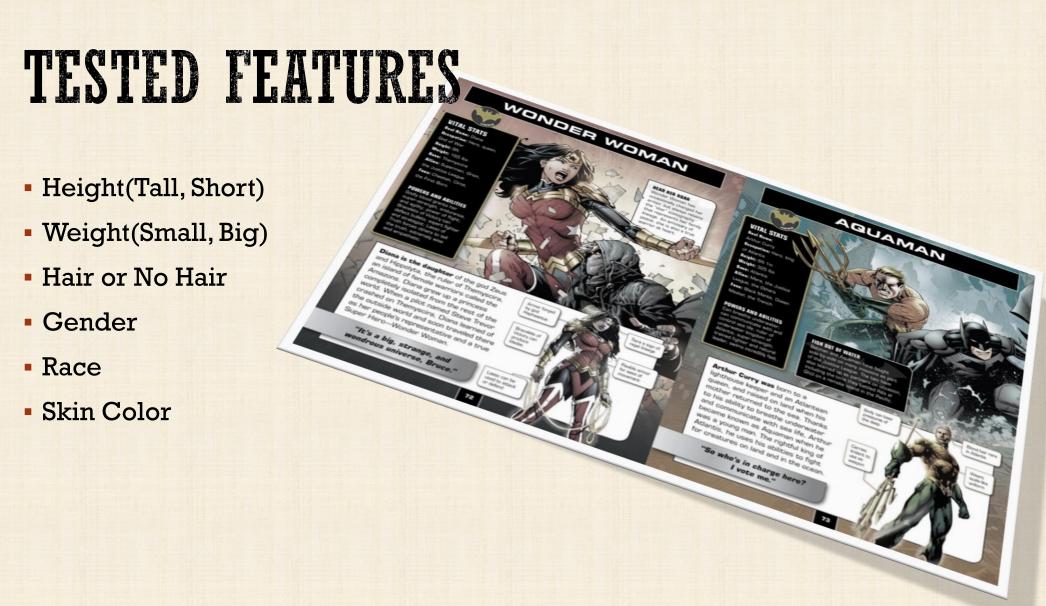
Weight(Small, Big)

Hair or No Hair

Gender

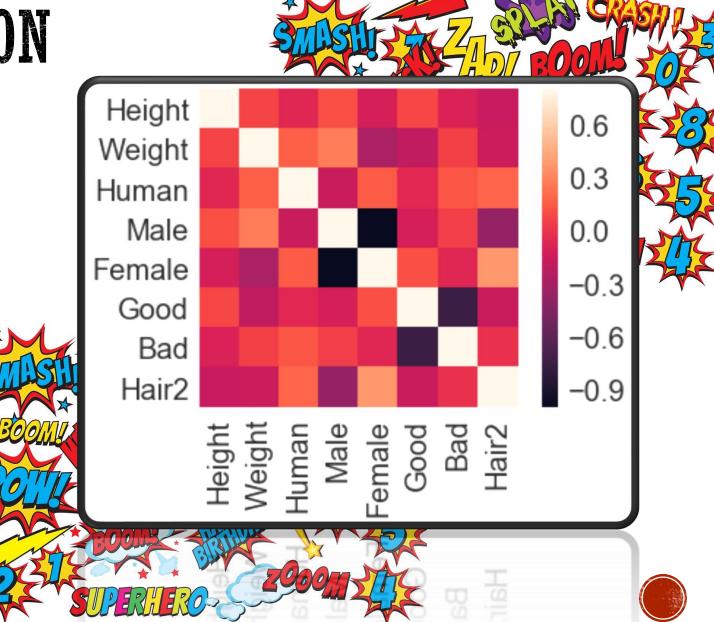
Race

Skin Color



FEATURE CORRELATION

- Tested Features are independent of one another
- Overall, test features are good choices to predict Alignment



ALGNWENT

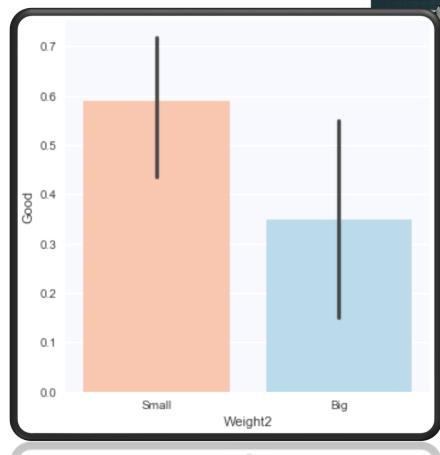
- Majority of superheroes trend good
- For purposes of this analysis only looked at good and bad superheroes



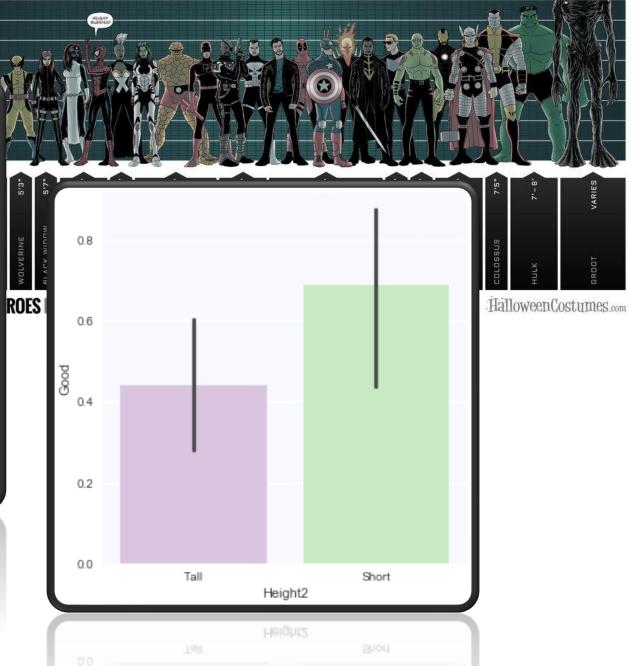


good bad nautral Alignment

HEIGHT & WEIGHT



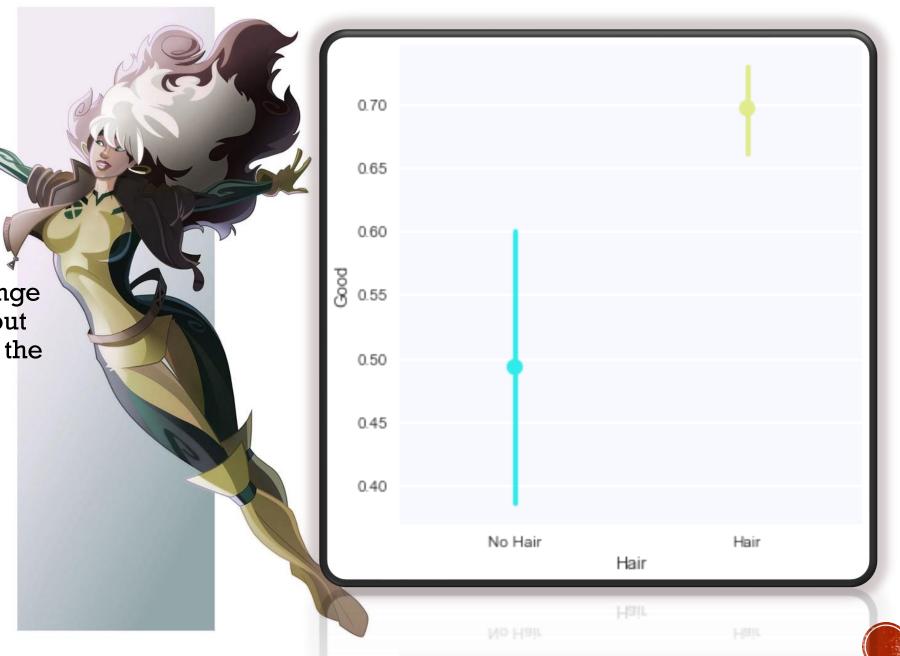
Superheroes with a small weight and short height trend more likely to be good





 Having hair is a key indicator for being a good superhero

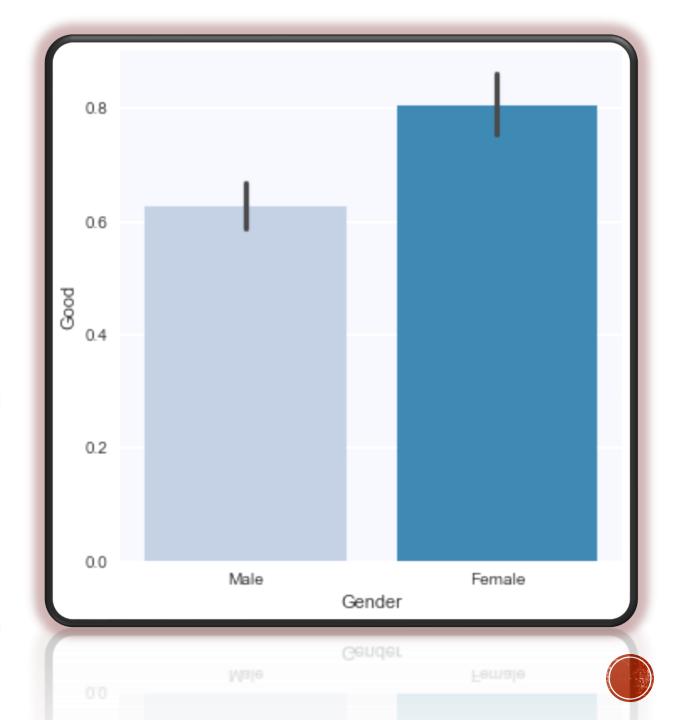
 There is a greater range of superheroes without hair than with hair in the good alignment



GENDER

- Females trend more likely to be good than males
- There is a greater number of females in the good alignment

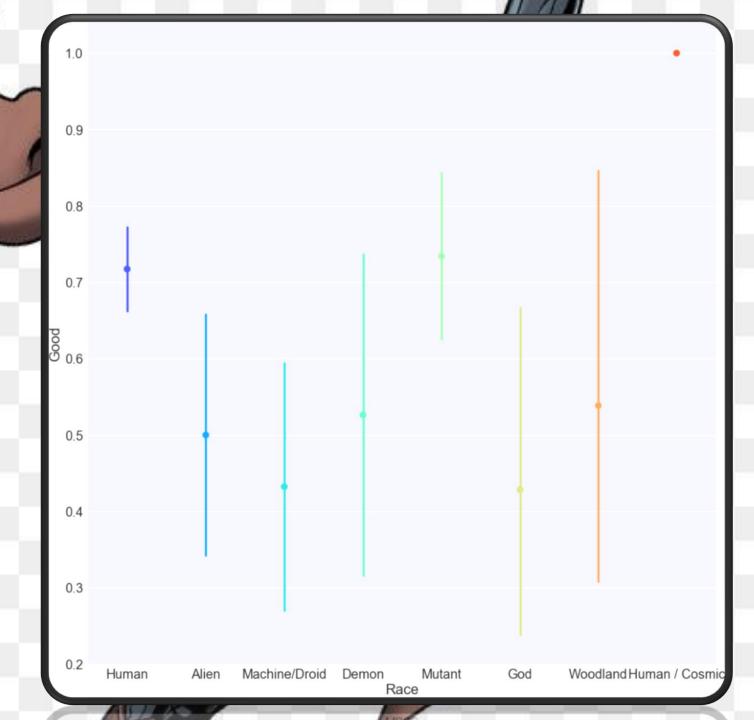




RACE

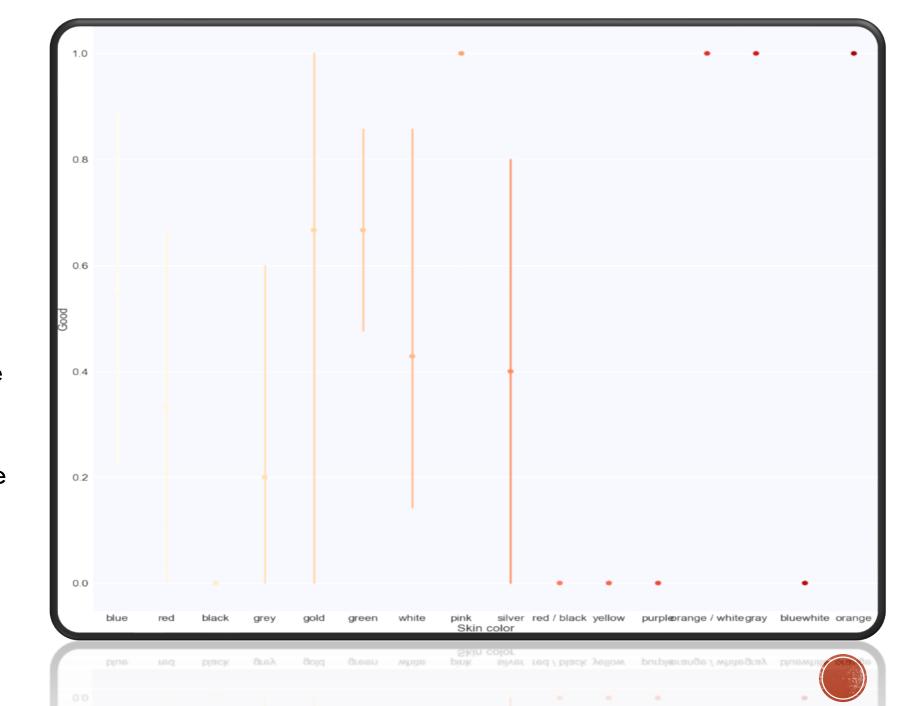
- Humans and Mutants trend more likely to be good
- Gods and Machine/Droids trend more likely to be bad.
- Humans and Mutants possess the smallest range for good alignment



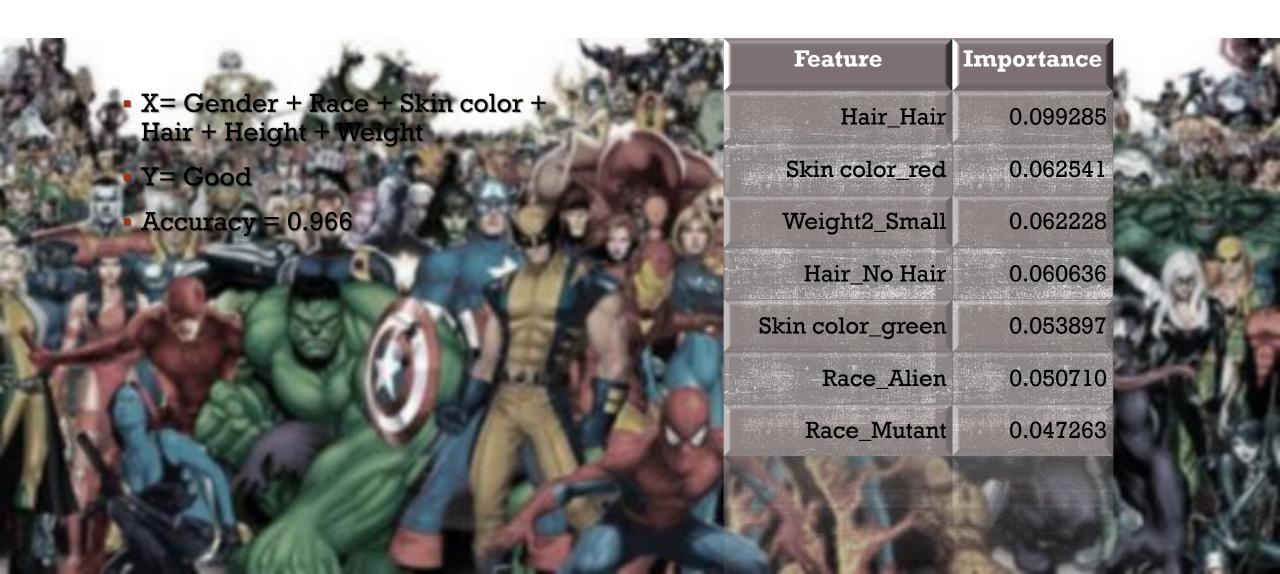


SKIN COLOR

- Most notable colors were blue, red, grey, and green since majority of superheroes are these colors.
- Grey superheroes illustrate more of a chance in being bad.
- Black superhero is likely to align as bad, the n value in only one.



RANDOM FOREST





REFERENCES

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