

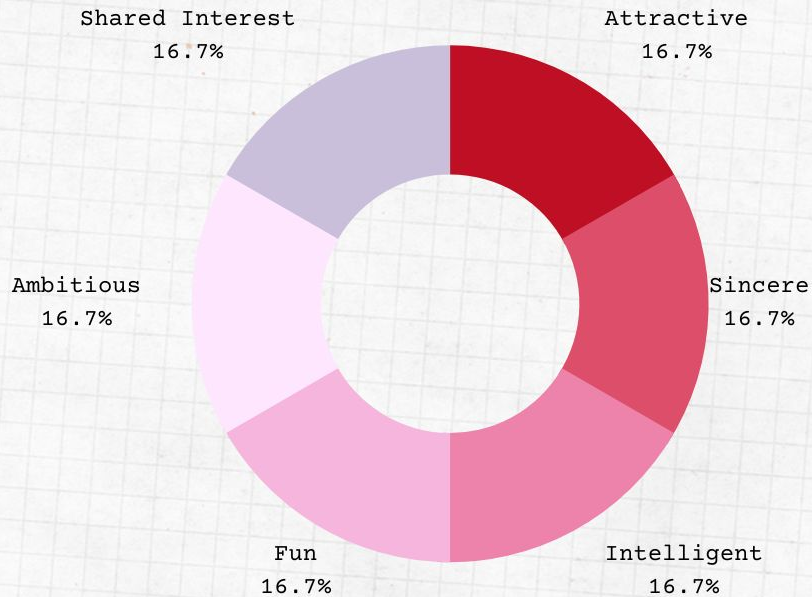
Group 11 Speed Dating

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Research Mission and Data Description

Why is dating so hard?

- ❑ Telepathy? Helps? Possible?

Speed Dating Data.csv - Kaggle

- ❑ To deep dive into what human values the most in a relationship.
- ❑ Generated from participants in experimental speed dating events.
- ❑ Survey questions after each event.
- ❑ Contains **195** columns(variables) and **8739** rows(observations)
- ❑ **21** events and **554** participants (**278** males and **276** females)



Data Importation

From Kaggle API to CoLab

- ❑ Not Recommended.
- ❑ Multiple preparations
 - ❑ Kaggle User API
 - ❑ Kaggle.json
 - ❑ Kaggle Configuration Directory
- ❑ Numerous Errors
- ❑ Brain juice draining

```
import os

[2] os.environ["KAGGLE_CONFIG_DIR"] = "/content/drive/MyDrive"

[3] from google.colab import drive
drive.mount('/content/gdrive')

Mounted at /content/gdrive

[4] import json
import zipfile

[5] !pip install kaggle

!mkdir .kaggle
!touch .kaggle/kaggle.json

Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: kaggle in /usr/local/lib/python3.8/dist-packages (1.5.12)
Requirement already satisfied: python-dateutil in /usr/local/lib/python3.8/dist-packages (from kaggle) (2.8.2)
Requirement already satisfied: requests in /usr/local/lib/python3.8/dist-packages (from kaggle) (2.23.0)
Requirement already satisfied: six>=1.10 in /usr/local/lib/python3.8/dist-packages (from kaggle) (1.15.0)
Requirement already satisfied: tqdm in /usr/local/lib/python3.8/dist-packages (from kaggle) (4.64.1)
Requirement already satisfied: python-slugify in /usr/local/lib/python3.8/dist-packages (from kaggle) (7.0.0)
Requirement already satisfied: certifi in /usr/local/lib/python3.8/dist-packages (from kaggle) (2022.9.24)
Requirement already satisfied: urllib3 in /usr/local/lib/python3.8/dist-packages (from kaggle) (1.24.3)
Requirement already satisfied: text-unidecode>=1.3 in /usr/local/lib/python3.8/dist-packages (from python-slugify->kaggle) (1.3)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.8/dist-packages (from requests->kaggle) (2.10)
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from requests->kaggle) (3.0.4)
mkdir: cannot create directory '.kaggle': File exists

[6] !cp /content/gdrive/My\ Drive/kaggle.json ~/.kaggle/kaggle.json

[7] !kaggle datasets download -d annavictoria/speed-dating-experiment

Downloading speed-dating-experiment.zip to /content
0% 0.00/374k [00:00<?, ?B/s]
100% 374k/374k [00:00<00:00, 94.8MB/s]
```



Data Cleaning

- “Utf-8” codec error
 - Some values within the dataset can’t be decoded with default “Utf-8” decoder.

Ecole Normale Sup^Žrieure, Paris

- Work-around with changing decoder to “ISO-8859-1”
- Column names
 - Column names were symbolized
 - Replaced original column names into informative names
- Values Error
 - One Observation was rated a 10.5 by his date on scale of 1 - 10.
 - France
 - Financial Engineering background
 - Investment banker
 - Observation was removed from analysis






Data Analysis

Core Variables: Gender, Attractive, Sincere, Intelligent, Fun, Ambitious, Shared Interests.

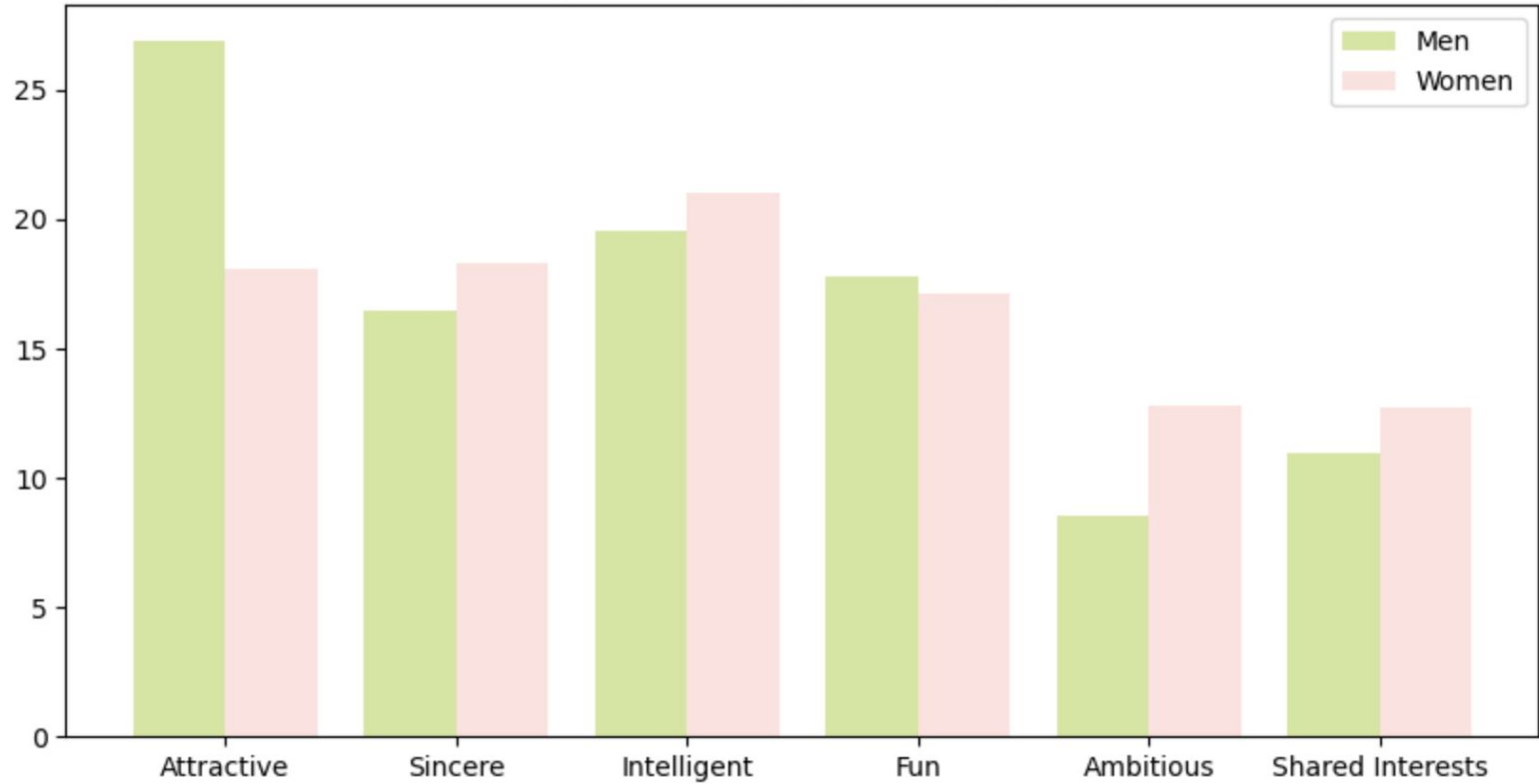
Survey Methods:

- ❑ Questions 1, 2 - distribute 100 points into Attractive, Sincere, Intelligent, Fun, Ambitious, Shared Interested.
- ❑ Questions 3, 4 - Rate Attractive, Sincere, Intelligent, Fun, Ambitious on a scale of 1 to 10.

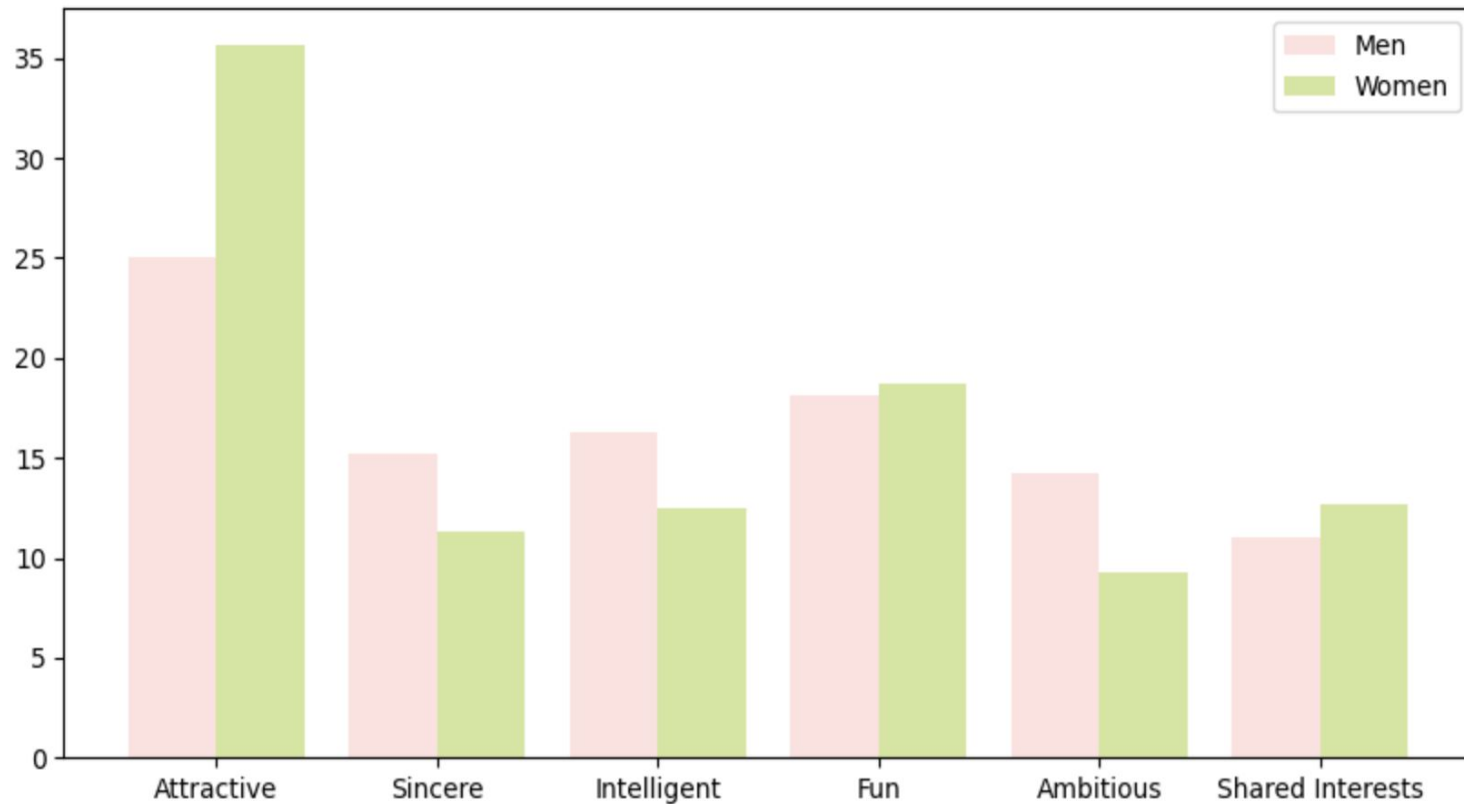
Core Surveys:

1. What do you think the opposite sex looks for in a date?
 2. What people are looking for in the opposite sex?
 3. How do you think you measure up?
 4. How do you think others perceive you?
- 

What People Are Looking For in the Opposite Sex?

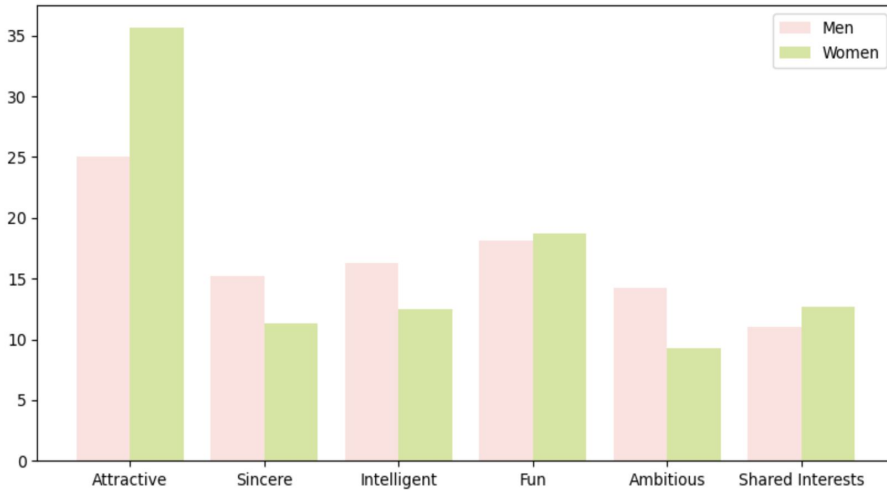


What do you think the opposite sex looks for in a date?

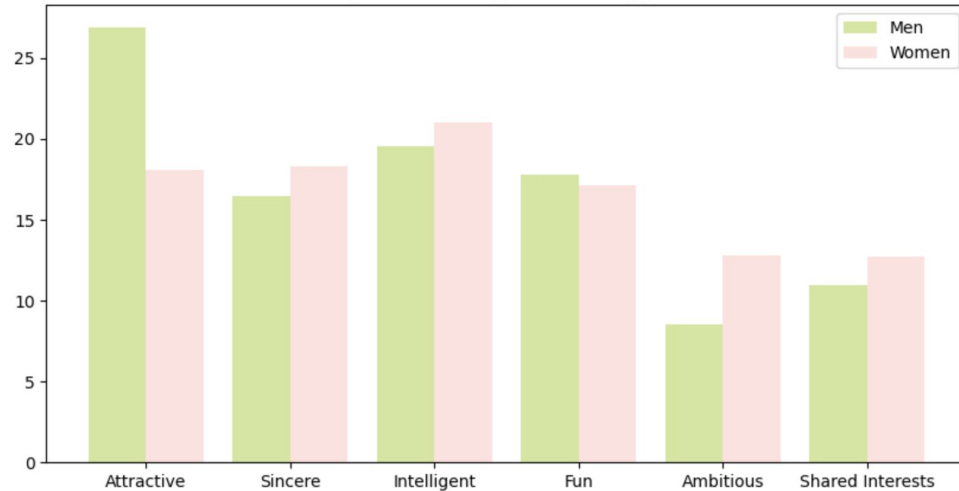


How does the perceived desirable attributes compared to actual attributes that people are seeking for?

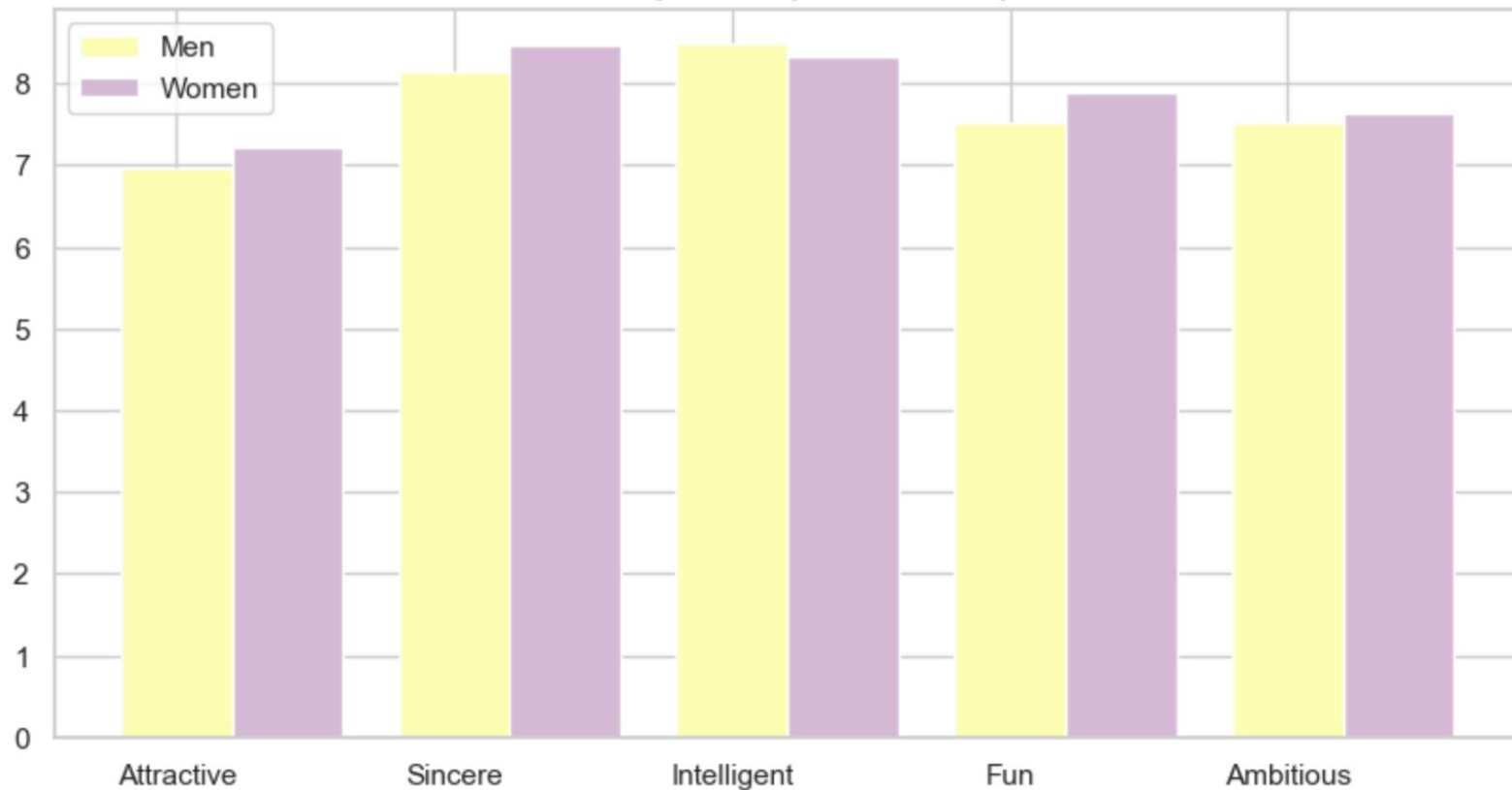
What do you think the opposite sex looks for in a date?



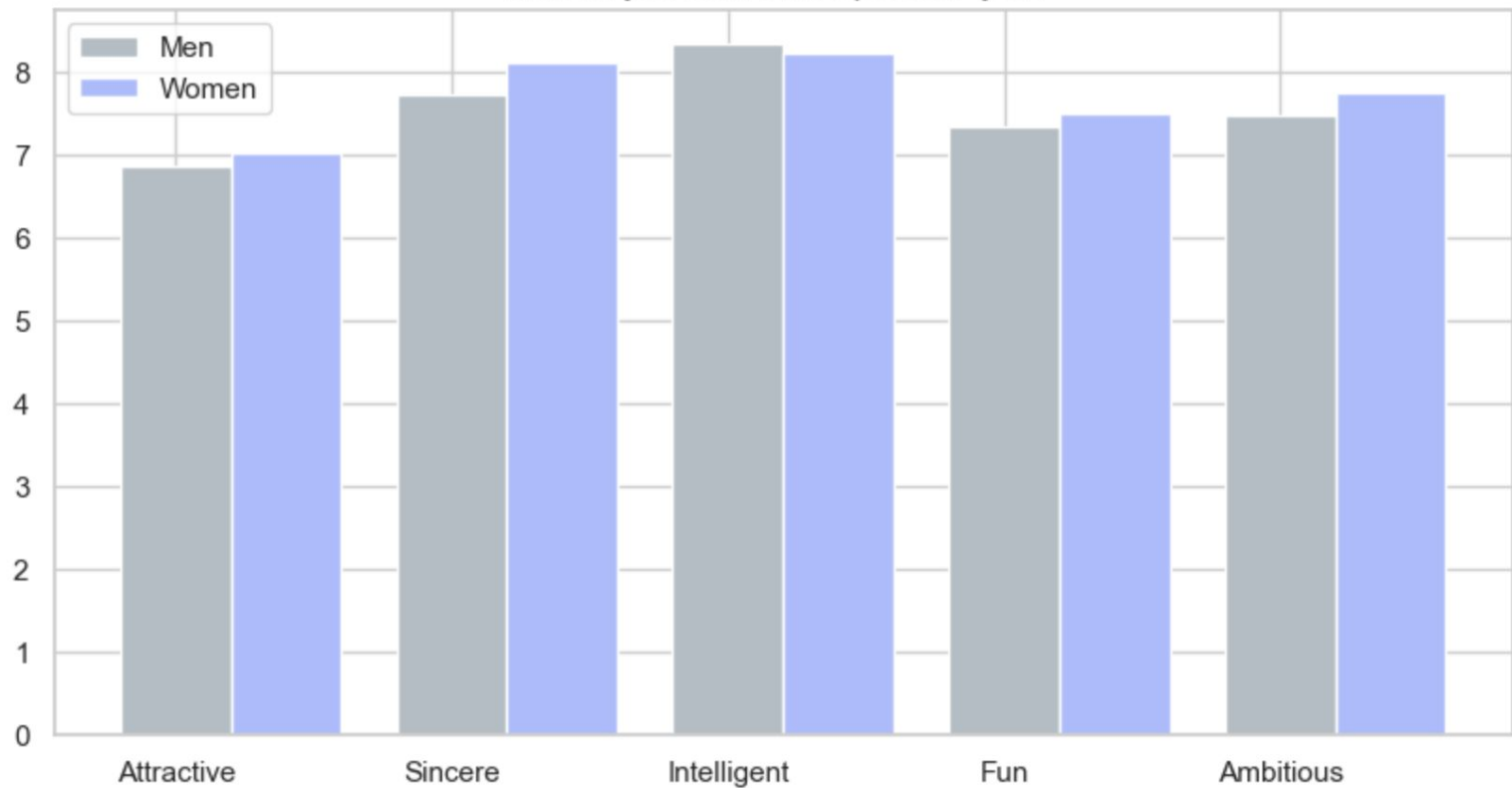
What People Are Looking For in the Opposite Sex?



How do you think you measure up?



How do you think others perceive you?



Conclusion

