

Topic: Entertainment

Group: Monica, Harper, Danny

We will analyze movie popularity by genre, origin country, etc. using mapbox visualization and plotly to show the results. The main goal is to visualize a world map showing countries which produce the most popular movies or the number of movies they produce in a period of time, we will show the most popular genre by country and/or by decades.

The dataset we will be using is from <https://www.themoviedb.org/documentation/api> website through API requests. The raw data would look like:

Response 200 OK

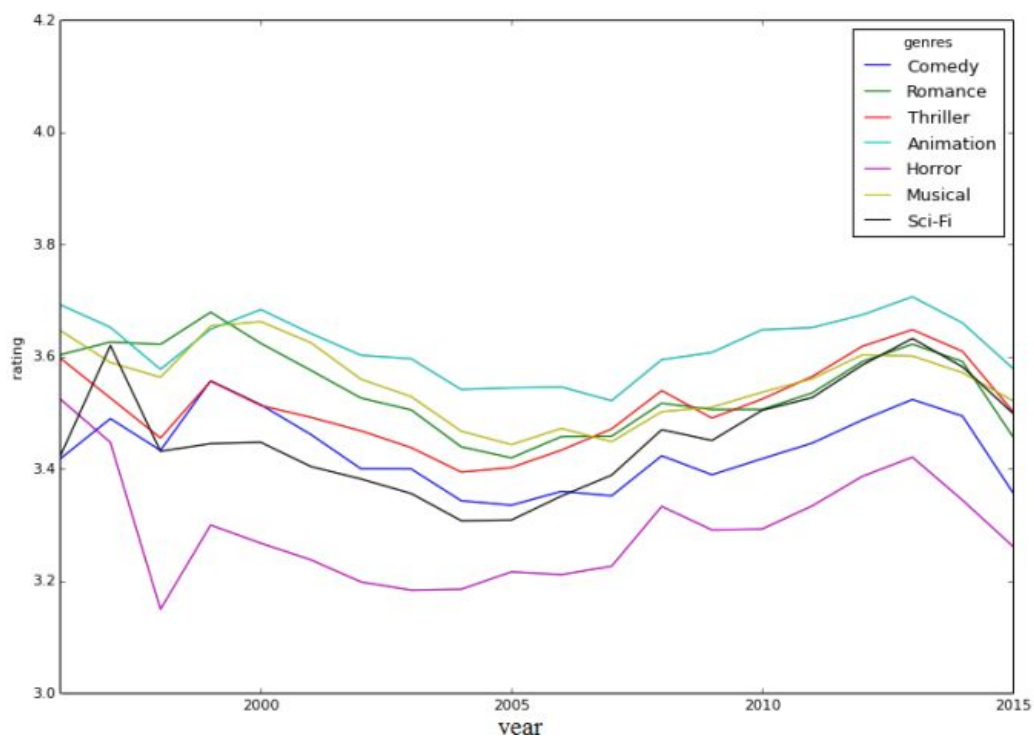
Body 21 Headers 0 Cookies

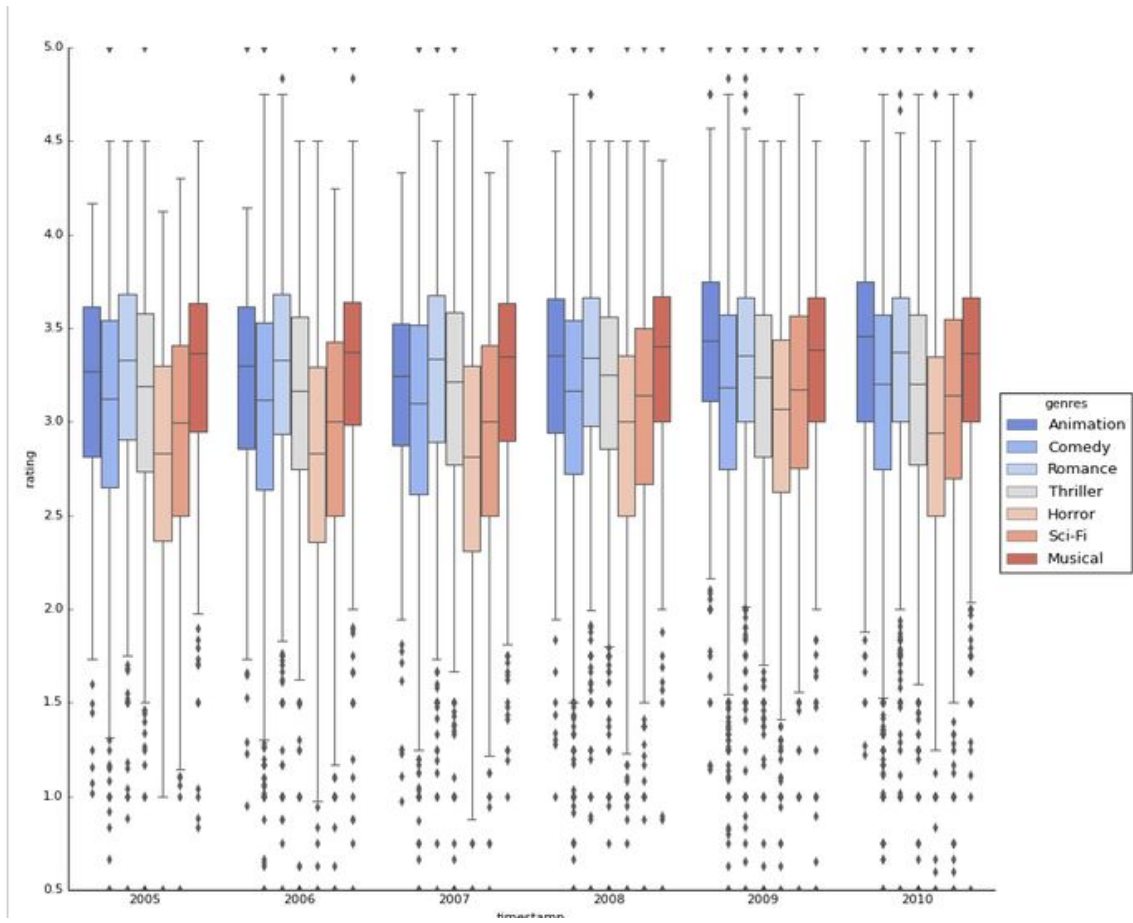
Pretty JSON Explorer Raw

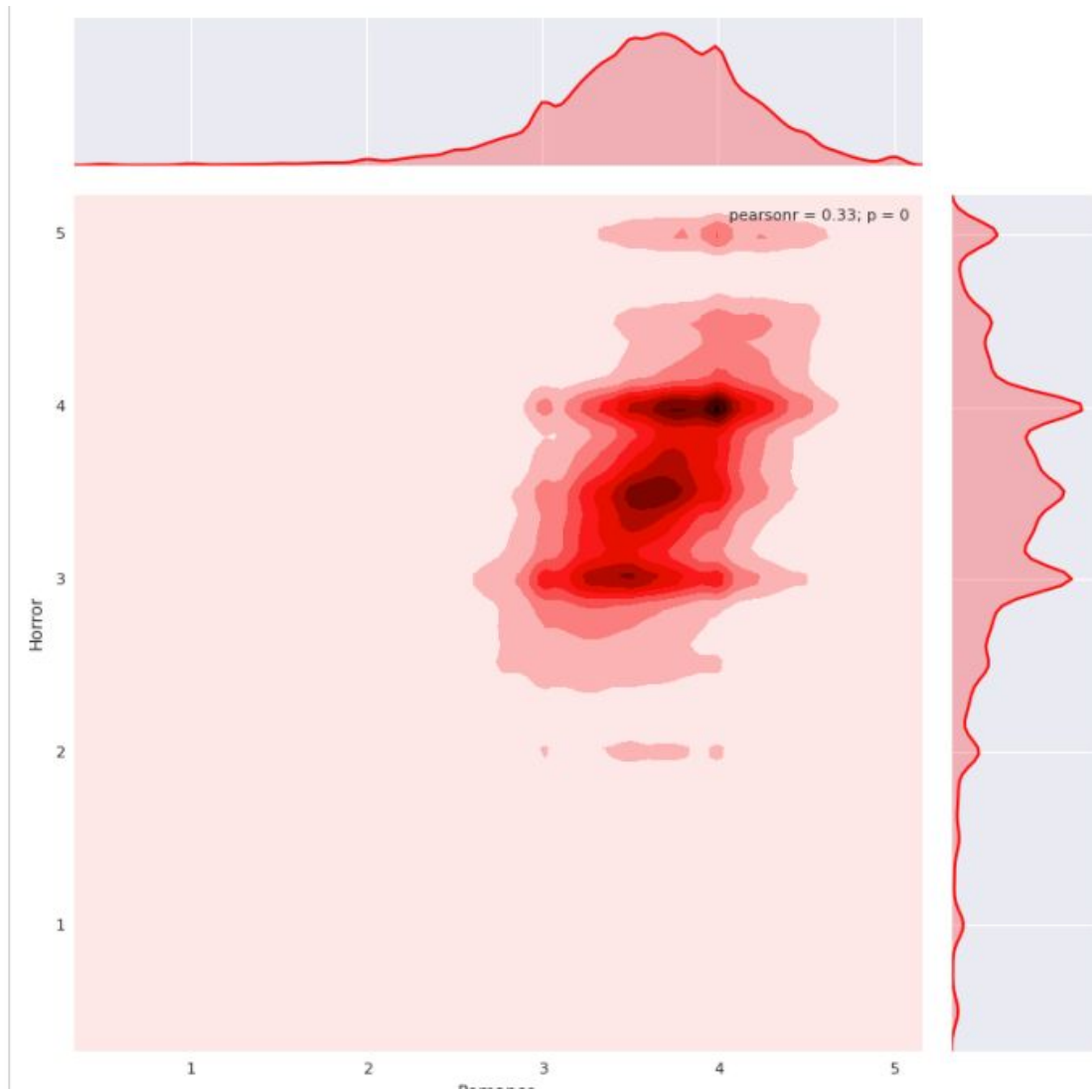
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1  {
2    "adult": false,
3    "backdrop_path": "/n2vIGWw4ezslXj1P0VNxkp9wqwU.jpg",
4    "belongs_to_collection": {
5      "id": 137697,
6      "name": "Finding Nemo Collection",
7      "poster_path": "/wtie42vgM60Y10GmrtT4kupQB8P.jpg",
8      "backdrop_path": "/2hC8HHRUvwRljYKIcQDMYmbLlxz.jpg"
9    },
10   "budget": 94000000,
11   "genres": [
12     {
13       "id": 16,
14       "name": "Animation"
15     },
16     {
17       "id": 10751,
18       "name": "Family"
19     }
20   ],
21   "homepage": "http://movies.disney.com/finding-nemo",
22   "id": 12,
23   "imdb_id": "tt0266543",
24   "original_language": "en",
25   "original_title": "Finding Nemo",
26   "overview": "Nemo, an adventurous young clownfish, is unexpectedly taken from his Great Barri
27   "popularity": 15.841,
28   "poster_path": "/syPWyeqzTQIxjiUaIFI7d0TyEY.jpg",
29   "production_companies": [
30     {
31       "id": 3,
32       "logo_path": "/1TjvGVDMYsj6JBx0AkUHpPEwLf7.png",
33       "name": "Pixar",
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Some inspirational visualizations to try:

The next figure shows the trends of the ratings (averaged over users and movies for each genre) for different genres across different years.







Source:

<https://www.datasciencecentral.com/profiles/blogs/data-science-with-python-exploratory-analysis-with-movie-ratings>