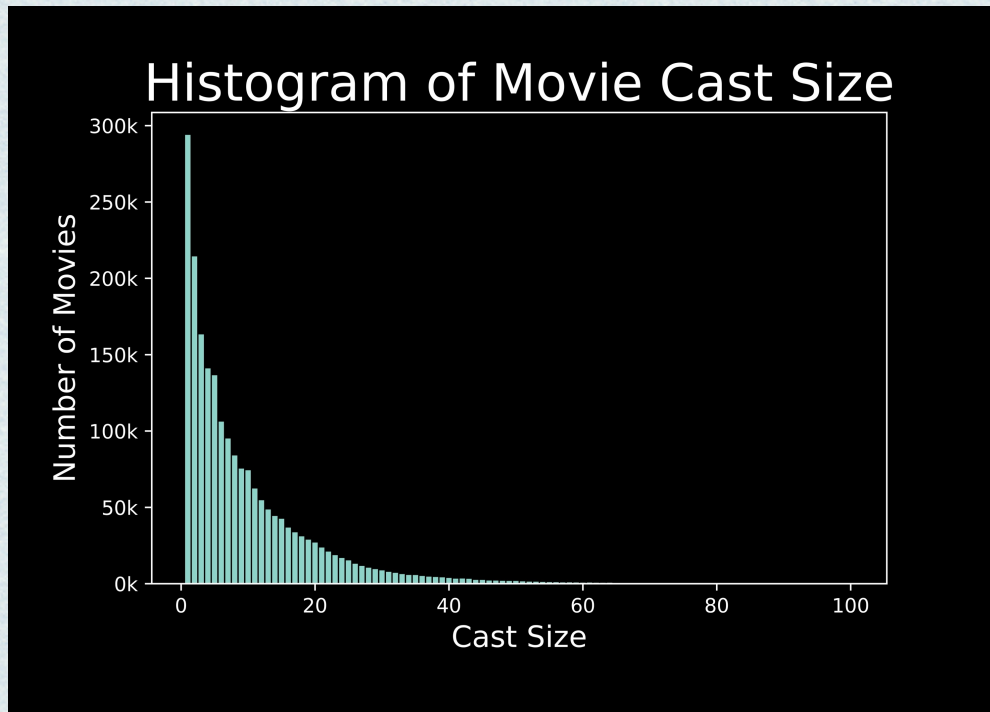


5a)

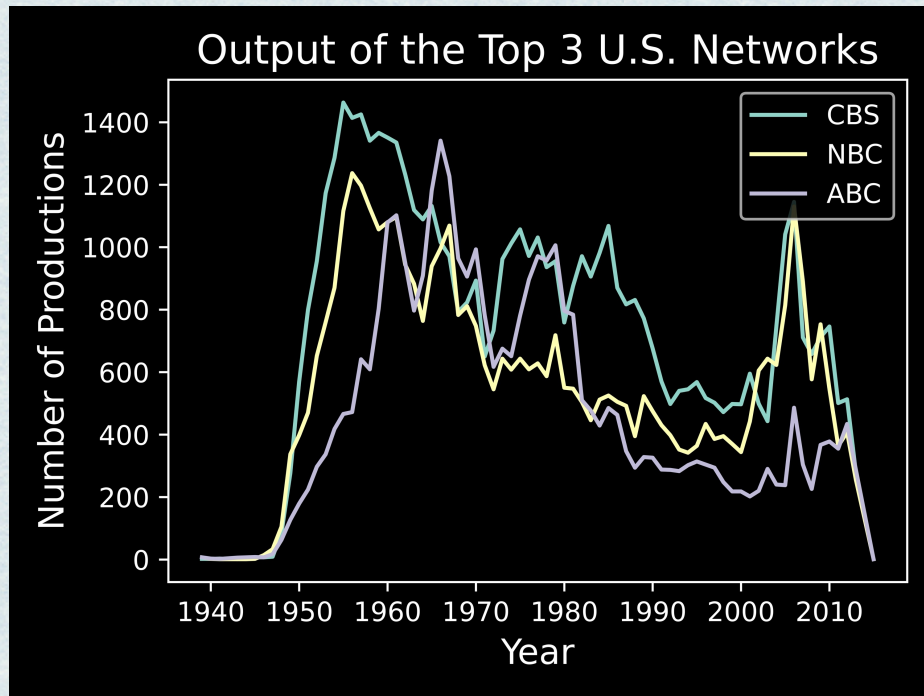


In the histogram above, I see that the number of movies decreases monotonically (perhaps exponentially) with cast size. The vast majority of movies have a cast size less than 20. The nearly 300,000 “movies” with a cast size of 1 (the mode of the distribution) may actually be TV shows hosted by a single person.

There are movies with cast sizes into the 100s and even into the 1000s, but their count is negligible compared to those with cast sizes less than 100. To keep the image clear, I have included only the latter.



5b)



The graph above shows the number of productions by each of the top three U.S. networks over time. We notice the overall dominance of CBS, followed by NBC, then ABC. There is a spike in all three networks' output during the 1950s and again in the 2000s.