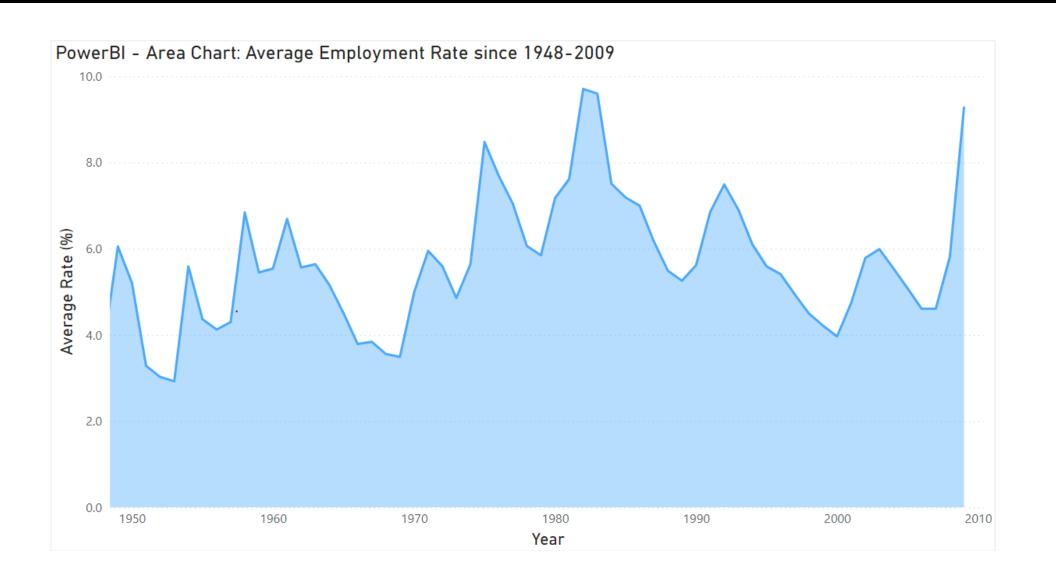
Assignment 3.2 Charts

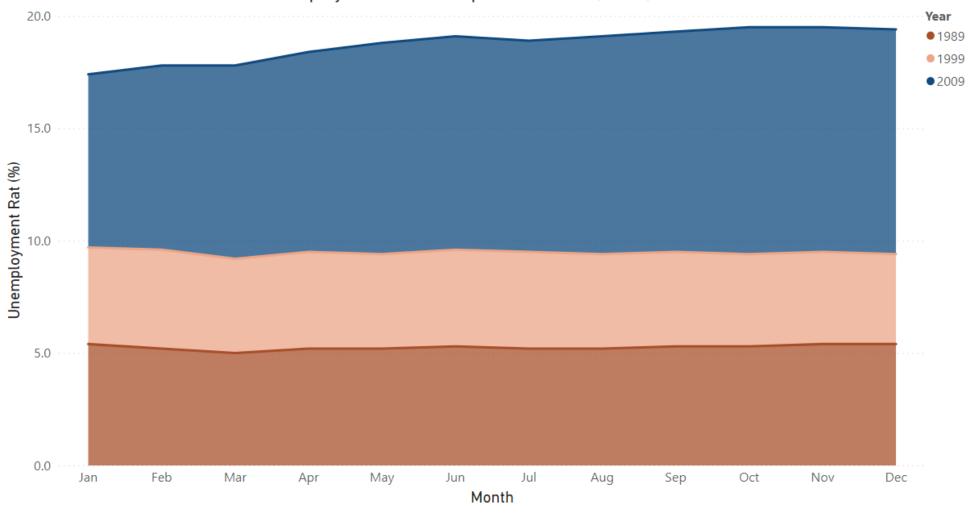
DSC640 Taniya Adhikari

PowerBl – Area Chart

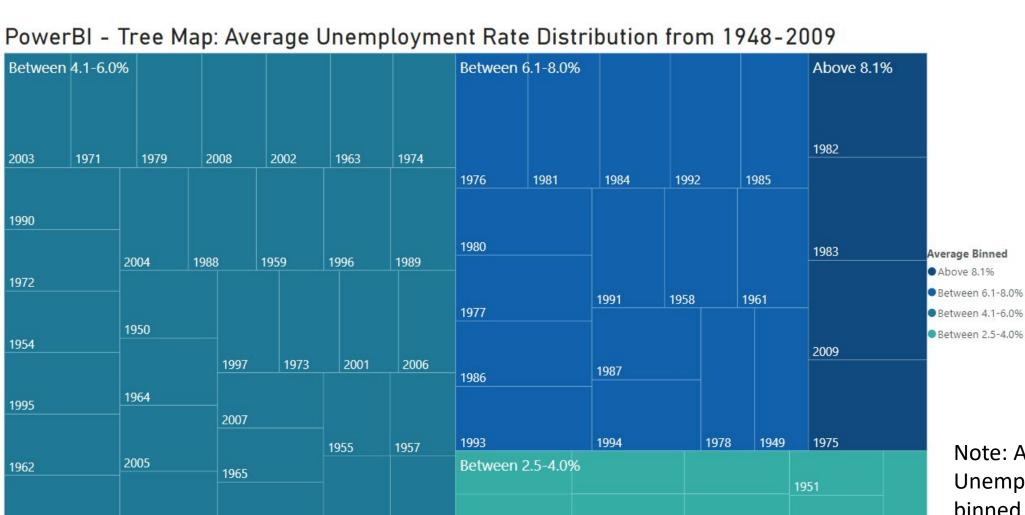


PowerBI – Stacked Area Chart





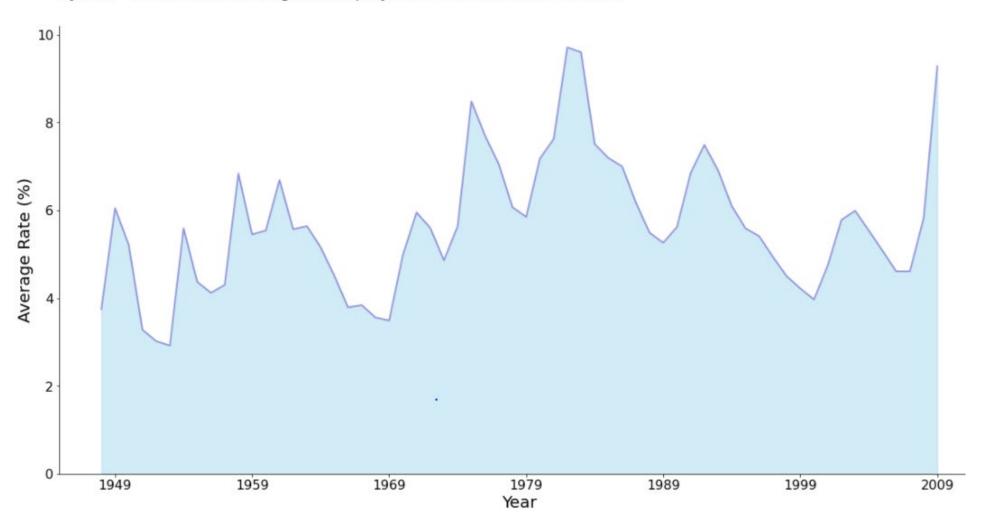
PowerBI – Tree Map



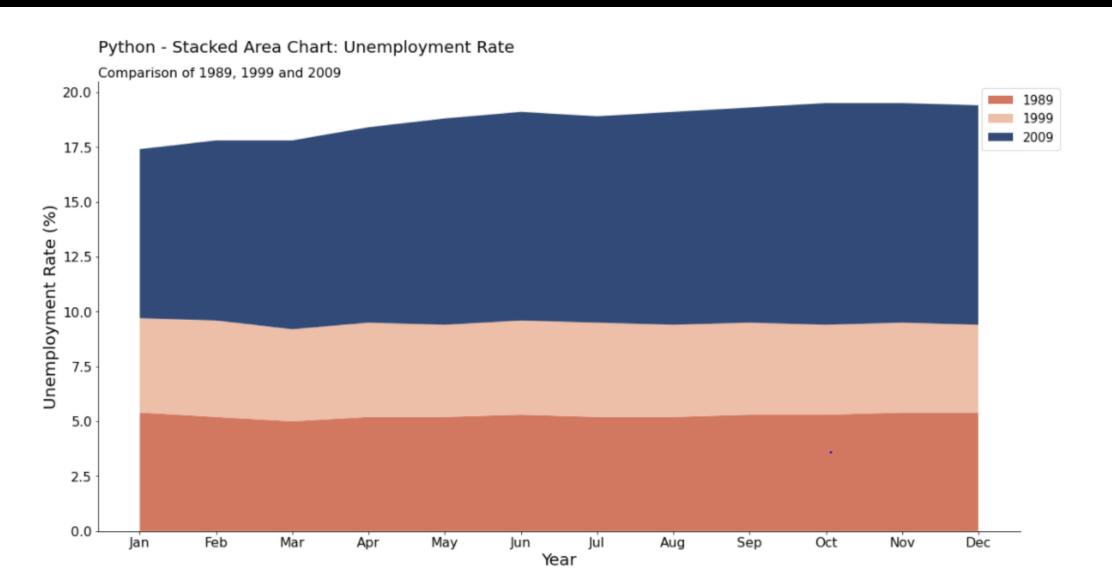
Note: Average Unemployment Rate is binned into categories to plot Tree Maps

Python – Area Chart

Python - Area Chart: Average Unemployment Rate Since 1948-2009



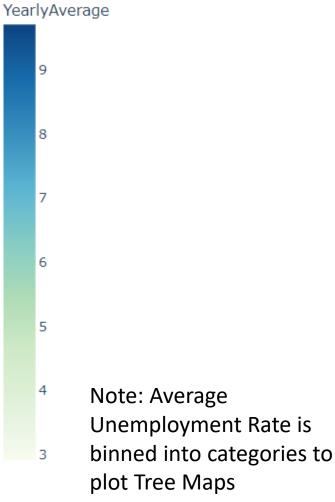
Python – Stacked Area Chart



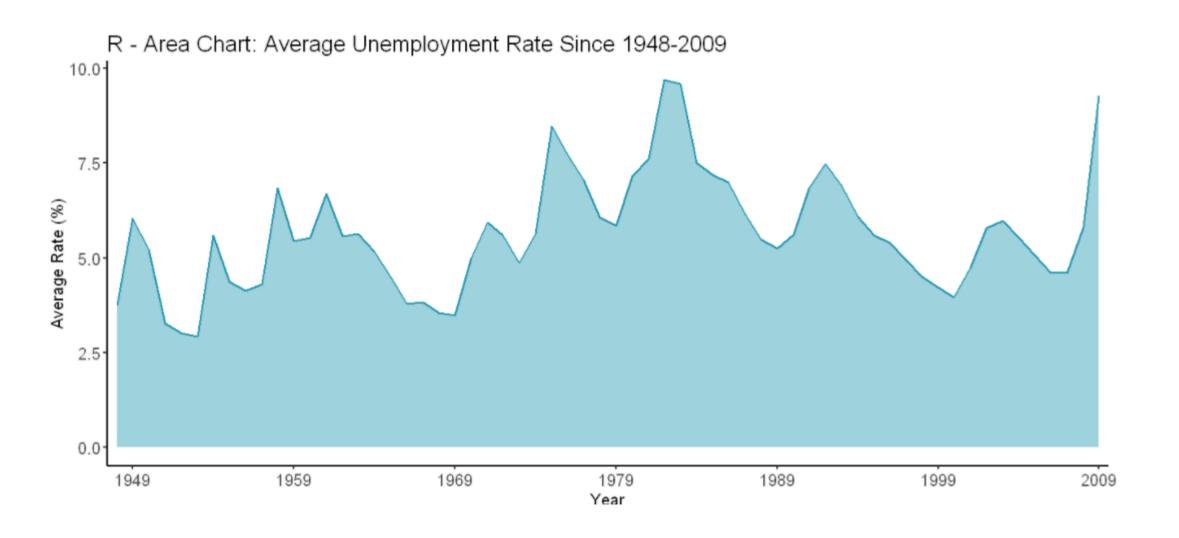
Python – Tree Map

Python - Tree Map: Average Unemployment Rate Distribution from 1948-2009

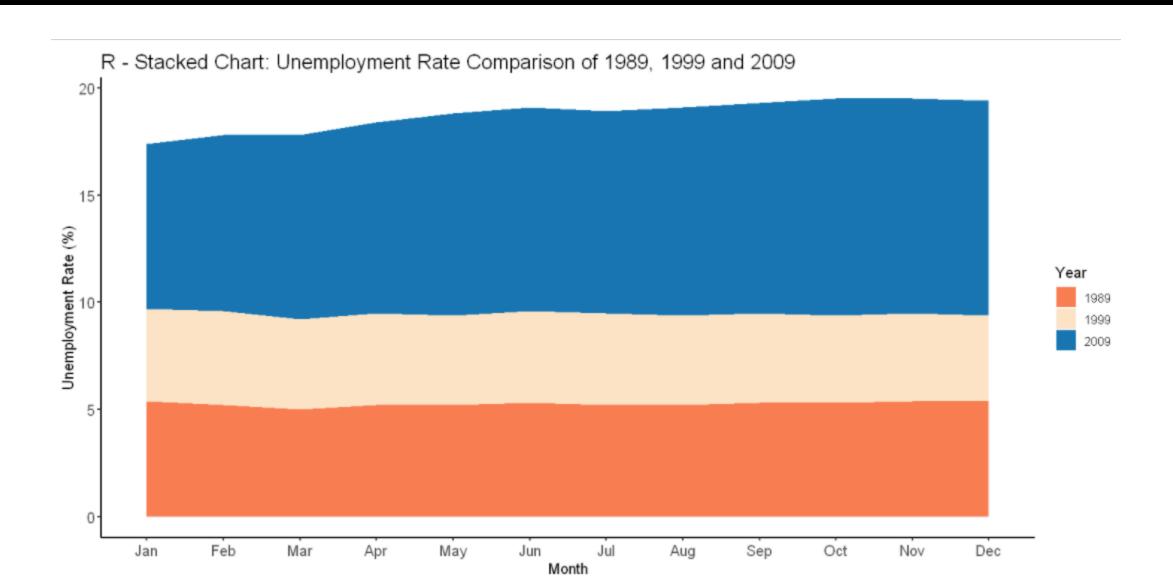




R – Area Chart



R – Stacked Area Chart



R – Tree Map

R - Tree Map: Yearly Average Unemployment Rate from 1948-2009

| 1981 Average: 7.62% | 2008 Average: 5.82% | 1988 Average; 5.49% | 1973 Average: 4.86% | 6 Aver | 1957 rage: 4.3% | 2000 Average: 3.97% | | 1951 Average: 3.28% | 1953 Average: 2.92% |
|---|------------------------|------------------------|------------------------|--------|--------------------------------------|------------------------|------------------------|------------------------|------------------------|
| | | Action Constitution | | 1955 | | 1956 | | 1969 Average: 3.49% | 1952 Average: 3.02% |
| 1976 Average: 7.7% 1975 Average: 8.47% | 1979 Average: 5.85% | 2004 Average: 5.54% | 1997 Average: 4.94% | | age: 4.37% | | | 1948 Average: 3.75% | 1968 Average: 3.56% |
| | 1971 Average: 5.95% | 1960 Average: 5.54% | 1970 Average: 4.98% | | 1998 rage: 4.5% | 1999 Average: 4.22% | | 1967 Average: 3.84% | 1966 Average: 3.79% |
| | 2003 Average: 5.99% | 1962 Average: 5.57% | 2005 Average: 5.08% | 6 Aver | 2001 age: 4.74% | | | 2007 Average: 4.61% | 1965 Average: 4.51% |
| 2009 Average: 9.28% | 1949 Average: 6.05% | 1995 Average: 5.59% | 1959 Average: 5.45% | | 1996 198: erage: 5.41% Average: | | .26% | 1950 Average: 5.21% | 1964 Average: 5.16% |
| 1983 | 1978 Average: 6.07% | 2002 Average: 5.78% | 1963 Average: 5.64% | | 974 1990 le: 5.64% Average: 5.62% | | 2% | 1972 Average: 5.6% | 1954 Average: 5.59% |
| Average: 9.6% | 1993 Average: 6.91% | 1991 Average: 6.85% | 1958 6 Average: 6 | | 1961 Average: 6.69% | | Ave | 1987 erage: 6.17% | 1994 Average: 6.1% |
| 1982 Average: 9.71% | 1984 Average: 7.51% | 1992 Average: 7.49% | 1985 6 Average: 7 | .19% | 1980 Average: 7.17% | | 1977 Average: 7.05% | | 1986 Average: 7% |

Note: Average Unemployment Rate is binned into categories to plot Tree Maps

Bins

Between 2.5-4.0% Between 4.1-6.0% Between 6.1-8.0% Above 8.0%

Supplemental Files

- Python Code
- R Code
- PowerBI Screenshot