**Observations**

* The idea behind this data analysis was to observe the growth of various industries in different cities in the US between the years 2007 – 2016. We see picked some of the well-established economic giants such as New York city on the east coast, San Francisco on the west coast, Houston in south & Chicago in mid-west. Along with that we were curious to observe trend in some upcoming cities such as Austin in Texas which is traditionally oil driven economy (manufacturing sector) which currently in lime light because of new tech storm in the city. Similarly, Detroit which is traditionally a manufacturing hub and we were curious to see what kind of balance between manufacturing and tech in recent year exists in it. And finally, Boston, the innovation hub, we wanted to see how manufacturing sector is doing compared to Tech.
* The data source for the project is US Gov. Census data:
  + Population of the Cities
  + Payroll, yearly for metro area for the respective cities
  + Establishments (count years) for manufacturing sector and tech sector for the metro are
  + Employment (count years) for manufacturing sector and tech sector for the metro are
* Factors consideration for manufacturing sectors and tech sectors:
  + Data for Manufacturing & Mining, quarrying and oil & gas extractions were grouped together and considered under “manufacturing sector “ for the trend observations
  + Data for Information, Finance and insurance and Professional, scientific and technical services were grouped together and considered under “Tech sector “ for the trend observations