**Data Analyst Skillset**

1. **Use of following Tools** to manipulate and analyze large data sets, as well as presenting findings in a clear and compelling manner.

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| * R Studio | * Tableau |
| * Python | * IBM SPSS |
| * SAS | * Stata |
| * SQL | * Eviews, |
| * Shiny | * Gretl, |
| * Power Bi | * Jamovi |
| * NVivo | * Excel |
| * Splunk |  |

1. **Selection of Model** appropriate for a particular data set
   1. Random effect model and fixed effect model for panel data,
   2. OLS for cross-sectional data,
   3. Logistic and probit model for dummy dependent variables,
   4. ARCH-GARCH for time series data
2. **Run various tests**
   1. Hausman test to determine whether to use random effect or fixed effect model
   2. White test to determine heteroskedasticity,
   3. Durbin Watson test to determine the serial correlation in the data,
   4. Paired sample t-test to assess the effect of a medical intervention,
   5. ANOVA to test the difference in means and various other tests.
3. **Perform different analysis**
   1. financial statement analysis,
   2. investment analysis,
   3. derivative analysis,
   4. stock price prediction,
   5. fundamental and technical analysis
4. **Producing Results** which are essential for any organization looking to make data-driven decisions.
   1. data visualization,
   2. dashboard creation, and
   3. report generation