**Data Analytics – Booklist**

U can get books from Library Genesis.

Ayres, I. Supercrunchers, How anything can be predicted, John Murray, 2007. : for SPSS

**Berry M. J, A., & Linoff, G. Data Mining Techniques, John Wiley & Sons, 2011 : Derived Variables**

Bishop, Christopher, Pattern Recognition and Machine Learning, Springer Science, 2006. : Easy to understand.

Breiman, L., Friedman, J. H. Olshen, R. A. & Stone, C. J. Classification and regression Trees, Chapman and Hall,1984

Davenport, T.H. Harris, J.G. Competing on Analytics, The New Science of Winning, Harvard Business School Press, 2007. **For SAS**

Chang, Winston R Graphics Cookbook, O’Reilly, Sebastopol, CA, 2013. **For GG plot**

Efron, Bradley & Hastie ,Trevor Computer Age Statistical Inference Algorithms, evidence and Data Science, Cambridge University Press, 2016 (available online). **Excellent book**

**Hypothesis testing, Multiple testing.**

Hand, D., Mannila, H. & Smyth P. Principles of Data Mining, MIT Press, 2001.

Hastie Trevor, Tibshirani, R., Friedman, J. The Elements of Statistical Learning, 2nd Edition, Springer Series, 2009 **Excellent book for Statistics**

James Gareth, Witten Daniela, Hastie Trevor, Tibshirani Robert, An Introduction to Statistical Learning, Springer Series, 2013 **Statistics**

Japkowicz, N & Shah Mohak Evaluating learning Algorithms, Cambridge University Press 2011.

Kuhn, Max & Johnson, K. Applied Predictive Modeling, Springer, 2013.

Ripley, B. D. Pattern recognition and Neural Networks, Cambridge University Press, 1996

Seni, G. and Elder J. Ensemble methods in Data Mining, Morgan & Claypool, 2010

**Superb book for Ensemble methods**

Tan, Pang-Ning Steinbach, M. Kumar, V. Introduction to Data Mining, Pearson, 2006

Torgo, Luis Data Mining with R: Learning with Case Studies, Chapman and Hall, 2011

Tuffery Stephane, Data Mining and Statistics for Decision Making, John Wiley & Sons, 2011

Unwin, A. Graphical Data Analysis with R,CRC press, 2015

Webb, Andrew, Copsey, K Statistical Pattern Recognition 3rd Edition, Wiley, 2011

Zhou Zhi-Hua Ensemble Methods Foundation and Algorithms, Chapman and Hall, 2012

**For Research.PHD**

See following website for a list of 60 freebooks

<http://www.kdnuggets.com/2015/09/free-data-science-books.html>

A series of videos

https://www.r-bloggers.com/in-depth-introduction-to-machine-learning-in-15-hours-of-expert-videos/

**R in action: to brush up R skills. (Online)**

**Hosmen & Lemeshow : Logistics Regression**