Web Links

# Chapter 3: Introduction to (Advanced) Analytics

**Description:** AP Statistics Tutorial

**URL:** <https://stattrek.com/tutorials/ap-statistics-tutorial.aspx>

**Description:** Statistics / Analytics Tutorials

**URL:** <https://www.listendata.com/p/statistics-tutorials.html>

**Description:** Statistical Learning Tutorial for Beginners (Python)

**URL:** <https://www.kaggle.com/kanncaa1/statistical-learning-tutorial-for-beginners>

**Description:** Harvard University, Data Science Course

**URL:** <https://cs109.github.io/2015/>

**Description:** Learning from Data - Caltech (Free, introductory Machine Learning online course)

**URL:** <http://work.caltech.edu/telecourse#lectures>

**Description:** Technical and Advanced (Includes Probability, Monte Carlo Simulation, Clustering, Machine Learning, etc.)

Introduction to Computational Thinking and Data Science - MIT Open Course

**URL:** <https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-0002-introduction-to-computational-thinking-and-data-science-fall-2016/>

**Description:** Data Mining with Weka (Online tutorial)

**URL:** <https://www.youtube.com/watch?v=LcHw2ph6bss&list=PLm4W7_iX_v4NqPUjceOGd-OKNVO4c_cPD>

**Description:** Data Visualization with Python (from DataCamp)

**URL:** <https://www.youtube.com/watch?v=uNGdpXCMrgM&list=PLwQ7o9tyw625ThzACVnUoO0XIMorcP52->

**Description:** Power BI Dashboard Tutorial

**URL:** <https://www.youtube.com/watch?v=Wt-_pGV91NU>

**Description:** Machine Learning Full Course – by Edureka

**URL:** <https://www.youtube.com/watch?v=GwIo3gDZCVQ>

**Description:** Practical Machine Learning Tutorial with Python

**URL:** <https://www.youtube.com/watch?v=OGxgnH8y2NM&list=PLQVvvaa0QuDfKTOs3Keq_kaG2P55YRn5v>

**Description:** Machine Learning — Andrew Ng, Stanford University

**URL:** <https://www.youtube.com/watch?v=PPLop4L2eGk&list=PLLssT5z_DsK-h9vYZkQkYNWcItqhlRJLN>

**Description:** Machine Learning Tutorial in Python – by Edureka

**URL:** <https://www.youtube.com/watch?v=GwIo3gDZCVQ&list=PL9ooVrP1hQOHUfd-g8GUpKI3hHOwM_9Dn>

**Description:** Seeing Theory: A Visual Introduction to Probability and Statistics

**URL:** <https://seeing-theory.brown.edu>

**Description:** R, Statistics, Psychology, Open Science, Data Visualization

**URL:** <https://rpsychologist.com/d3/CI/> (or <https://rpsychologist.com/>)

**Description:** Open Intro

**URL:** <https://www.openintro.org/stat/textbook.php?stat_book=os>

# Chapter 6: Types of Managerial Decision-Makers

**Description:** In order to provide more information about the tool presented in the chapter, popular tools from reputable organizations are provided as suggested readings. The online tool from CliftonStrengths is a very popular one helping individuals find out their strengths and potential areas to improve for being better leaders while providing a detailed explanation about the type of manager/leader they are.

**URL:** <https://www.gallup.com/cliftonstrengths/en/home.aspx>

**Citation:** CliftonStrengths (<https://www.gallup.com/cliftonstrengths/en/home.aspx>)

**Description:** In order to provide more information about the tool presented in the chapter, popular tools from the reputable organizations are provided as suggested readings. This tool from Workfront helps managers to identify what type of managers they are.

**URL:** <https://www.workfront.com/blog/what-type-of-manager-are-you-find-out-with-this-quiz>

**Citation:** What type of managers are you? (https://www.workfront.com/blog/what-type-of-manager-are-you-find-out-with-this-quiz)

# Chapter 7: Organizational Readiness for Data-Driven Decision-Making

**Description:** Practical information by UNICEF about SWOT (Strengths, Weaknesses, Opportunities and Threat) and PESTEL (Political, Economic, Social, Technological, Environmental and Legal) analysis. The reading provides useful information about how these two techniques can be used in a complementary way and also applied in a business context. Various factors of PESTEL are discussed.

**URL:** <https://www.unicef.org/knowledge-exchange/files/SWOT_and_PESTEL_production.pdf>

**Citation:** Unicef (n.d.) SWOT and PESTEL. Retrieved from <https://www.unicef.org/knowledge-exchange/files/SWOT_and_PESTEL_production.pdf>

# Chapter 9: Managing the Ethics, Security, Privacy and Legal Aspects of Data-Driven Decision-Making

**Description:** A practical link about hacking. The link provides training material for hacking. Readers can get detailed information about hacking and learn various techniques.

**URL:** <https://www.hackerone.com/start-hacking>

**Citation:** Hacker Community – <https://www.hackerone.com/start-hacking>

**Description:** A link to various readings and a learning environment about ethical hacking.

**URL:** https://www.ethicalhacker.net/

**Citation:** Ethical Hacker Network – <https://www.ethicalhacker.net/>

**Description:** Famous TED talks explaining hackers and various other topics.

**URL:** <https://www.ted.com/playlists/10/who_are_the_hackers>

**Citation:** TED – Who are the hackers? - <https://www.ted.com/playlists/10/who_are_the_hackers>

# Chapter 10: Managing Emerging Technologies and Decision-Making

**Description:** What is an Open Standard?

**URL:** <https://openstandards.nz/what-open-standard>

**Description:** Open Standards Principles

**URL:** <https://www.gov.uk/government/publications/open-standards-principles/open-standards-principles>