Curated External Resources - Data Exploration and Visualization

Please find below some curated external links to books, articles, and open-source video content about hypothesis testing and dimensionality reduction.

Hypothesis Testing

* [This excerpt from a book](https://www.sagepub.com/sites/default/files/upm-binaries/40007_Chapter8.pdf) takes a more detailed look at the foundations of hypothesis testing.
* [This is a good summary document](http://onlinestatbook.com/2/logic_of_hypothesis_testing/logic_hypothesis.pdf) covering the foundational concepts of hypothesis testing and statistical inference.

PCA / t-SNE

* [An end-to-end comprehensive guide for PCA](https://www.analyticsvidhya.com/blog/2020/12/an-end-to-end-comprehensive-guide-for-pca/)
* Check out this video on PCA by StatQuest: [Click here](https://www.youtube.com/watch?v=FgakZw6K1QQ)
* This article explains [Principal Component Analysis with example](https://www.analyticssteps.com/blogs/introduction-principal-component-analysis-machine-learning).
* This article shows [how to use t-SNE](https://distill.pub/2016/misread-tsne/).
* This is a good summary of the [differences between PCA and t-SNE](https://www.geeksforgeeks.org/difference-between-pca-vs-t-sne/).
* This resource has an excellent [Q&A on t-SNE](https://lvdmaaten.github.io/tsne/)

Happy Learning!