DS Study Hall

* **Fundamentals**
  + Theta join
  + CAP Theorem
  + Sharding
  + Multidimensional Data Model
  + NoSQL
  + Regular Expression
  + Reporting vs. BI vs. Analytics
* **Probability and Statistics**
  + Probability theory
  + Bayes Theorem
  + CDF
  + Cont. Dist.
  + Skewness
  + ANOVA
  + Prob Den Fn
  + Central Limit Theorem
  + Monte Carlo
  + Hypothesis Testing
  + p-Value
  + chi^2
  + Estimation
  + Confidence Interval
  + MLE
  + [Kernel Density Estimate](https://en.wikipedia.org/wiki/Kernel_density_estimation) (KDE)
  + Regression
  + Covariance
  + Correlation
  + Pearson Coeff
  + Causation
  + Least Square Fit
  + Euclidian Fit
* **Programming**
  + Rapid miner
  + IBM SPSS
  + Factor Analysis
  + **Python**
    - Numpy, pandas, scikit-learn, seaborn, matplotlib,
  + **R**
    - Ggplot2, shiny, tidyr, ..
  + **Big Data**
    - Hadoop
    - Kafka
    - Spark
    - HDFS
    - MapReduce