business-statistics-41000Business Statistics 41000
Instructor: Nick Polson
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probability-and-bayesProbability and Bayes
probabilityProbability
https://coursera.org/share/c2d2ac5d7ddd2a218f3a7c0738987ef9Random events
https://coursera.org/share/77faba16d02d3a2b0b1884ae68f6f007Probability Distribution
https://coursera.org/share/a786541d362227f3b8f1430053dae036Independence
https://coursera.org/share/8afcc4155e731884a0c53d8c526e2632Conditional Probability
https://coursera.org/share/5d04188473d1696587ff5335689d2bdaDecision trees
https://coursera.org/share/3544203543e371394297bd37261254c4Bayes and Decisions
https://coursera.org/share/9af4fbed965bbe5adc077ded4b02c869Bayes Examples
distributionsDistributions
Normal: https://coursera.org/share/9bce846dbfa187bc5075afedbcd43817(a) https://coursera.org/share/12212d3494c8b17f9f
Binomial https://coursera.org/share/abb3565917273023cd51f5480d036692(a) https://coursera.org/share/278744e2c0763541
statistics-and-dataStatistics and Data
working-with-dataWorking with Data
https://coursera.org/share/e158f6eaa32e12c0d9d3da85796bab49Data Basics (variables, data tables, numerical vs categorical
https://www.coursera.org/lecture/probability-intro/observational-studies-experiments-Qw8iF?utm$_s$ourcelink&utm$_m$edium$_p$
https://coursera.org/share/57c926866416c9295b1acdd6bcf1c258Experimental Design
https://coursera.org/share/44d67da7c5523f3b7d434121046c30beScatter plots and histograms
https://coursera.org/share/1b5b9a5bb5031aaff550d53b813c8a30Mean and mode
https://coursera.org/share/6552e7b50574e04be14b9926293596c3Variance
https://coursera.org/share/3a3bfc6acb6a282bd570a81c9fd2516blog transform
central-limit-theorem-and-properties-of-normalCentral limit theorem and properties of normal
https://coursera.org/share/8184ac28b3bbd4ddb3b1a1ff94a358bcIntroduction
https://coursera.org/share/388c0854bbb287723ff8a5fc9f27c700Sampling Variability and CLT
https://coursera.org/share/9121f8cc4a8cdff54c8f2174118c3dbeCLT (for the mean) examples
confidence-intervalConfidence Interval
https://www.coursera.org/lecture/inferential-statistics-intro/confidence-interval-for-a-mean-DA30M?utm$_s$ourcelink&utm$_m$ε
https://coursera.org/share/e84689a6719561afcafa3cd394ffe18bRequired Sample Size for ME
https://coursera.org/share/0204e0f0bd1c7ebe166b41d52dcad04eCI (for the mean) examples
hypothesis-testingHypothesis Testing
https://coursera.org/share/8b63ddb452ec19990e557180c4270f2eAnother Introduction to Inference
https://coursera.org/share/f5fedbc17d658cf9aa9ecd8ed222ce0eHypothesis Testing (for a mean)
https://coursera.org/share/246f42198bfe69425d57fc9d73d0db0cHT (for the mean) examples
significance-and-errorsSignificance and Errors
https://coursera.org/share/8378aaf8a24aec5db6325863124e721aInference for Other Estimators
https://coursera.org/share/34c89b062e795a414ff2d0e189cdb539Decision Errors
https://coursera.org/share/64778cf569d3b6278a740b48cc906dabSignificance vs. Confidence Level
https://coursera.org/share/cb07495ec4f821416e4805a0ad74dab5Statistical vs. Practical Significance
comparing-means-and-t-distributionComparing means and t-distribution
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https://coursera.org/share/8b1905492382ed0b48cbf60a31867fcdInference for a mean
https://coursera.org/share/3e013d3e2eb9ec237d03b3075ae6d590Inference for comparing two independent means
https://coursera.org/share/f652cf833ed5fb1cd8851fd75aad27e2Inference for comparing two paired means
https://coursera.org/share/4eb8cf3e4f6574dde5ce8a2a18e4a968Power
comparing-proportionsComparing proportions
https://coursera.org/share/cd5a964b412f0ad38cb9ac2ed7b4d636Introduction
https://coursera.org/share/26d5305d8255f070e50378a420359b27Sampling Variability and CLT for Proportions
https://coursera.org/share/bea71008cdac1c1cb782df3c024694f1Confidence Interval for a Proportion
https://coursera.org/share/957f370700c13abc6f413bc07efe21b5Hypothesis Test for a Proportion
https://coursera.org/share/a386281c080cc17fd1cd96aef0c96135Estimating the Difference Between Two Proportions
https://coursera.org/share/f450efb34faacf98ede4f73a410ba139ypothesis Test for Comparing Two Proportions
linear-modelLinear Model
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https://coursera.org/share/4d2176ea6d0681f2d1779099d1fe7960Least Squares Line
https://coursera.org/share/9b9c62b7379e9f5c206559a2e45105e4Prediction and Extrapolation
https://coursera.org/share/79fee8800a4a2a244efe073dcabc4c5fConditions for Linear Regression
https://coursera.org/share/3fc844a78a45d16c5cd8bbbf8848ea83R Squared
https://coursera.org/share/4035478d72c4f07def4741a01d68dc05Regression with Categorical Explanatory Variables
https://coursera.org/share/80f75df21e38e75827d73a8179ac723bOutliers in Regression
https://coursera.org/share/c455fd9eb36186c0d720e2e7aa41c91bInference for Linear Regression
multiple-linear-modelMultiple Linear Model
https://www.coursera.org/lecture/linear-regression-model/introduction-5e9jF?utm$_s$ourcelink&utm$_m$edium$page_s$hare&utm
https://www.coursera.org/lecture/linear-regression-model/adjusted-r-squared-bd2xT?utm$_s$ourcelink&utm$_m$edium$page_s$har
https://coursera.org/share/3fb7ee245bc46abc6fc78ffd8fefa53dInference for MLR
https://coursera.org/share/910b5d7609ff7b1dd98a2ee3be0f6c19Model Selection