

SUGGESTED URL'S FOR OBTAINING MORE INFORMATION OF COURSE TOPICS

Assignment 1 and 2

A good place to find definition of statistical terms

<http://stattrek.com/Help/Glossary.aspx>

Assignment 3 and 4

Permutations and combinations counting techniques are defined in the below url.

<http://www.themathpage.com/aprecalc/permutations-combinations.htm>

Basic probability discussion including permutations and combinations

<http://espse.educ.psu.edu/edpsych/faculty/rhale/statistics/Chapters/Chapter7/Chap7.html>

Assignment 5 and 6

Binomial probability calculator

<http://stattrek.com/Tables/Binomial.aspx>

<http://www.adsciengineering.com/bpdcalc/>

Binomial probability discussion

http://www.intmath.com/Counting-probability/12_Binomial-probability-distributions.php

youtube presentations:

Binomial

<http://www.youtube.com/watch?v=Edm--LTH4SM>

Demonstration of binomial probabilities

<http://www.youtube.com/watch?v=Kp3wJC8Snbl&feature=related>

Assignment 6 and 7

Normal Probability

Example probability calculation

<http://www.youtube.com/watch?v=0920DYWJSEs&feature=related>

Z-score

<http://www.youtube.com/watch?v=1xhCL5m4nI0>

calculating z-scores

<http://www.youtube.com/watch?v=s0ILBcARxL4&feature=related>

Assignment 8

Youtube presentations:

<http://www.youtube.com/watch?v=lj5IKjkhLaQ&feature=related>

<http://www.youtube.com/watch?v=gvlSzOlZEok&feature=related>

Central Limit Theorem (Definition and applet)

http://www.chem.uoa.gr/applets/AppletCentralLimit/Applet_CentralLimit2.html

Applet: Use 5 dice and 10000 rolls for best results

<http://www.stat.sc.edu/~west/javahtml/CLT.html>

Assignment 9

Standardization techniques

http://davidmlane.com/hyperstat/z_table.html

http://math.elon.edu/statistics112/norm_dist.html

Assignment 10

Use of TI83 for calculating sample mean and standard deviation

<http://www.cis.yzu.edu/~chang/class/TIcalculatorStat.pdf>

Visual Data Display, histograms, box plots, stem and leaf plots defined

<http://www.mathworksheetscenter.com/mathtips/datagraphs.html>

Assignment 11 and 12

Box plots

<http://cnx.org/content/m10215/latest/>

Assignment 14 and 15

Confidence intervals

Youtube presentations

<http://www.youtube.com/watch?v=Hn6C21GC0vA&feature=related>

http://www.youtube.com/watch?v=Q6Lj_8yt4Qk&feature=related

Critical values for confidence intervals

<http://www.youtube.com/watch?v=FSOlcGitGU&feature=related>

Assignment 16

Sample size for proportions

<http://www.youtube.com/watch?v=itNTihwt4fl>

Sample size for means

http://wind.cc.whecn.edu/~pwildman/statnew/determining_sample_size.htm

Assignment 17 and 18

Hypothesis test using t_{i83} or 84

<http://www.youtube.com/watch?v=gAjOcsuhU9g&feature=related>

Example of hypothesis test

<http://www.youtube.com/watch?v=rHAXhlmbRPU&feature=related> Part I

<http://www.youtube.com/watch?v=SCX3XyArnYM&feature=related> Part 2

p-values (go to end of article)

<http://www.sportsci.org/resource/stats/pvalues.html>

Assignment 19 and 20

Small sample testing and testing proportions

<http://www.ltconline.net/greenl/Courses/201/hyptest/hypprob.htm>

Assignment (omit 21) 22, 23, and 24

Testing two means

<http://stattrek.com/AP-Statistics-4/Unpaired-Means.aspx?Tutorial=AP>

Testing two proportions

<http://stattrek.com/AP-Statistics-4/Test-Difference-Proportion.aspx?Tutorial=AP>

Assignment 25 and 26

Linear regression (great example)

<http://pirate.shu.edu/~wachsmut/Teaching/MATH1101/Relations/linear-regression.html>

Correlation coefficient (first part of url)

<http://pirate.shu.edu/~wachsmut/Teaching/MATH1101/Relations/correlation.html>