Business Analytics: Communicating with Numbers, 1st Edition

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Additional Student Resources

Please click the links below to access Additional Student Resources for this title.

NOTE: You may need to hold your CTRL key down while clicking on a link.

Appendices

[Appendix A](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/appendices/jag85009_appA_608-613.pdf)  
[Appendix B](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/appendices/jag85009_appB_614-620.pdf)  
[Appendix C](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/appendices/jag85009_appC_621-627.pdf)  
[Appendix D](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/appendices/jag85009_appD_628-631.pdf)  
[Appendix E](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/appendices/jag85009_appE_632-651.pdf)

Excel Data Files

Please note: There are no Excel Data Files for Chapter 4.

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| **Chapter** | **Excel File** |
| Chapter 01 – Statistics and Data | [Chapter 01 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch01_Data_Files.xlsx) |
| Chapter 02 – Tabular and Graphical Methods | [Chapter 02 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch02_data.xlsx) |
| Chapter 03 – Numerical and Descriptive Measures | [Chapter 03 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch03_data.xlsx) |
| Chapter 05 Discrete Probability Distributions | [Chapter 05 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch05_Data_Files.xlsx) |
| Chapter 06 Continuous Probability Distributions | [Chapter 06 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch06_Data_Files.xlsx) |
| Chapter 07 – Sampling and Sampling Distributions | [Chapter 07 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch07_Data_Files.xlsx) |
| Chapter 08 – Estimation | [Chapter 08 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch08_Data_Files.xlsx) |
| Chapter 09 – Hypothesis Testing | [Chapter 09 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch09_Data_Files.xlsx) |
| Chapter 10 – Supervised Data Mining: Decision Trees | [Chapter 10 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch10_Data_Files.xlsx) |
| Chapter 11 – Unsupervised Data Mining | [Chapter 11 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch11_Data_Files.xlsx)  [Chapter 11 CSV Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch11_csvdata.zip) |
| Chapter 12 – Forecasting with Time Series Data | [Chapter 12 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch12_Data_Files.xlsx) |
| Chapter 13 – Introduction to Prescriptive Analytics | [Chapter 13 Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_ch13_data.xlsx) |
| Big Data Files | [Big Data Files](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/big_data/jaggia_ba_1e_big_data.zip) |
| ZIP file for Excel Data Files for all chapters | [All Chapters](https://lectures.mhhe.com/connect/jaggia_ba_1e_1260784932/student/data_files/jaggia_ba_1e_data_files.zip) |

Excel Tutorials

| **Video** | **Topic** |
| --- | --- |
| Video #01 | [How to build a frequency table (Length: 5:13)](https://www.viddler.com/embed/bf35ee4d) |
| Video #02 | [How to build horizontal bar chart (Length: 5:08)](https://www.viddler.com/embed/e1d5c431) |
| Video #03 | [How to build vertical bar chart (Length: 4:24)](https://www.viddler.com/embed/4d34e02b) |
| Video #04 | [How to build pie chart (Length: 4:11)](https://www.viddler.com/embed/bf00ddb4) |
| Video #05 | [How to build line chart (Length: 1:59)](https://www.viddler.com/embed/687e3878) |
| Video #06 | [How to build joint frequency distribution-pivot table (Length: 4:51)](https://www.viddler.com/embed/f092326b) |
| Video #07 | [How to build frequency table using pivot table (Length: 4:05)](https://www.viddler.com/embed/ef8126b0) |
| Video #08 | [How to build frequency distribution using pivot (Length: 5:35)](https://www.viddler.com/embed/1f7e970f) |
| Video #09 | [How to build relative and cumulative frequency distribution (Length: 4:59)](https://www.viddler.com/embed/5bbbd2f7) |
| Video #10 | [How to build frequency polygon with pivot table (Length: 4:28)](https://www.viddler.com/embed/4fdc9294) |
| Video #11 | [How to build frequency polygon from frequency distribution (Length: 3:45)](https://www.viddler.com/embed/8e0dff61) |
| Video #12 | [How to build a histogram with Histogram chart feature (Length: 3:52)](https://www.viddler.com/embed/d399b308) |
| Video #13 | [How to build a cumulative frequency polygon with pivot table (Length: 5:29)](https://www.viddler.com/embed/f2a10b2b) |
| Video #14 | [How to compute measures of central tendency (Length: 3:53)](https://www.viddler.com/embed/6ba086d0) |
| Video #15 | [How to compute weighted average (Length: 5:13)](https://www.viddler.com/embed/3c2891c8) |
| Video #16 | [How to calculate geometric mean (Length: 4:33)](https://www.viddler.com/embed/e9cfd4d3) |
| Video #17 | [How to calculate range (Length: 2:42)](https://www.viddler.com/embed/4f414349) |
| Video #18 | [How to calculate population variance and SD (Length: 3:51)](https://www.viddler.com/embed/83571307) |
| Video #19 | [How to calculate variance and SD for a sample (Length: 2:13)](https://www.viddler.com/embed/a6701744) |
| Video #20 | [Using Descriptive Statistics to find measures of central tendency and dispersion (Length: 3:26)](https://www.viddler.com/embed/67dda100) |
| Video #21 | [How to compute arithmetic mean and SD for grouped data (Length: 4:05)](https://www.viddler.com/embed/ba95084e) |
| Video #22 | [How to apply the Empirical Rule using Descriptive Statistics (Length: 4:16)](https://www.viddler.com/embed/9bb165a) |
| Video #23 | [Building a Dot Plot (Length: 4:24)](https://www.viddler.com/embed/2daed151) |
| Video #24 | [How to build a scatter diagram (Length: 5:22)](https://www.viddler.com/embed/f7ebb756) |
| Video #25 | [How to build a stem-and-leaf display (Length: 5:09)](https://www.viddler.com/embed/6ee0ee22) |
| Video #26 | [How to compute quartiles and percentiles (Length: 5:09)](https://www.viddler.com/embed/5f29b14c) |
| Video #27 | [How to build a boxplot in Excel (Length: 3:47)](https://www.viddler.com/embed/c7191048) |
| Video #28 | [How to use Descriptive Statistics to evaluate skewness (Length: 2:54)](https://www.viddler.com/embed/19b2754) |
| Video #29 | [How to build a contingency table with Pivot table (Length: 3:40)](https://www.viddler.com/embed/bfb38a09) |
| Video #30 | [How to use Permut and Combin formulas (Length: 3:47)](https://www.viddler.com/embed/a64e55a7) |
| Video #31 | [How to apply Bayes Theorem (Length: 4:33)](https://www.viddler.com/embed/bb0a3516) |
| Video #32 | [How to build and graph discrete probability distribution (Length: 3:36)](https://www.viddler.com/embed/ea4909e5) |
| Video #33 | [How to apply binomial distribution (Length: 4:48)](https://www.viddler.com/embed/ccbb35ca) |
| Video #34 | [How to apply hypergeometric distribution (Length: 4:41)](https://www.viddler.com/embed/ba32b084) |
| Video #35 | [How to apply Poisson.dist (Length: 3:31)](https://www.viddler.com/embed/295a5cf3) |
| Video #36 | [Transforming continuous distribution to standard normal distribution (Length: 5:05)](https://www.viddler.com/embed/4cdd095e) |
| Video #37 | [Using Norm.Dist to find probability in a normal distribution (Length: 5:21)](https://www.viddler.com/embed/ebd96754) |
| Video #38 | [How to apply norm.inv (Length: 2:52)](https://www.viddler.com/embed/823a1c89) |
| Video #39 | [How to apply norm.s.inv and norm.s.dist (Length: 4:36)](https://www.viddler.com/embed/31008601) |
| Video #40 | [How to use expondist and gammainv (Length: 5:28)](https://www.viddler.com/embed/ee2ebd8e) |
| Video #41 | [Generating random numbers- three methods (Length: 5:50)](https://www.viddler.com/embed/38d36d0d) |
| Video #42 | [Simple random sample with replacement (Length: 2:16)](https://www.viddler.com/embed/9ba04c5b) |
| Video #43 | [Simple random sample without replacement (Length: 3:29)](https://www.viddler.com/embed/81610c89) |
| Video #44 | [Generating a stratified random sample (Length: 3:15)](https://www.viddler.com/embed/fc60d447) |
| Video #45 | [Generating a systematic random sample (Length: 3:05)](https://www.viddler.com/embed/11d62df0) |
| Video #46 | [Building a sampling distribution (Length: 5:43)](https://www.viddler.com/embed/f1701a2f) |
| Video #47 | [Finding probability of a sample mean with normdist (Length: 3:31)](https://www.viddler.com/embed/f16b5196) |
| Video #48 | [Confidence interval with Descriptive Statistics (Length: 2:46)](https://www.viddler.com/embed/939d4a72) |
| Video #49 | [Simulation of confidence intervals sigma known (Length: 4:01)](https://www.viddler.com/embed/7895625a) |
| Video #50 | [Computing a confidence interval with confidence-t (Length: 2:04)](https://www.viddler.com/embed/f4633730) |
| Video #51 | [Conducting a one sample z test of the mean (Length: 4:27)](https://www.viddler.com/embed/a7fd4bfd) |
| Video #52 | [Conducting a one sample t test of the mean (Length: 3:18)](https://www.viddler.com/embed/6ec30c76) |
| Video #53 | [Computing beta and power (Length: 3:24)](https://www.viddler.com/embed/a687c6f2) |
| Video #54 | [Conducting a two sample t test assuming equal variance (Length: 5:49)](https://www.viddler.com/embed/82536d2a) |
| Video #55 | [Conducting a two sample z test independent populations (Length: 5:33)](https://www.viddler.com/embed/c44e279f) |
| Video #56 | [Conducting a two sample t test assuming unequal variance (Length: 5:57)](https://www.viddler.com/embed/fbd59df7) |
| Video #57 | [Conducting a paired t test for two dependent samples (Length: 1:56)](https://www.viddler.com/embed/db9e74db) |
| Video #58 | [Conducting an F test two sample for variances (Length: 4:04)](https://www.viddler.com/embed/b7513b56) |
| Video #59 | [Conducting a single factor ANOVA (Length: 3:30)](https://www.viddler.com/embed/e44491dd) |
| Video #60 | [Conducting ANOVA two factor with replication (Length: 3:57)](https://www.viddler.com/embed/d95ed65d) |
| Video #61 | [Conducting ANOVA two factor without replication (Length: 3:56)](https://www.viddler.com/embed/f789025d) |
| Video #62 | [Computing correlation (Length: 2:50)](https://www.viddler.com/embed/8f8cf973) |
| Video #63 | [How to run regression (Length: 4:55)](https://www.viddler.com/embed/489084a3) |
| Video #64 | [How to transform data (Length: 4:36)](https://www.viddler.com/embed/7ab6a6f2) |
| Video #65 | [How to build a multiple regression model (Length: 5:46)](https://www.viddler.com/embed/13aee0d8) |
| Video #66 | [Conducting a chi square test for observed vs. expected frequencies (Length: 5:11)](https://www.viddler.com/embed/86da7956) |
| Video #67 | [Conducting a chi square test of independence for a contingency table (Length: 4:08)](https://www.viddler.com/embed/7d58d2d8) |
| Video #68 | [Using least squares method to generate a trend line for a forecast (Length: 5:09)](https://www.viddler.com/embed/60aa7ae0) |
| Video #69 | [How to conduct a test for autocorrelation using Durbin Watson statistic (Length: 5:45)](https://www.viddler.com/embed/315017c6) |
| Video #70 | [How to deseasonalize data to generate a trend adjusted equation (Length: 5:39)](https://www.viddler.com/embed/be36c1a6) |
| Video #71 | [How to build a Pareto chart (Length: 1:10)](https://www.viddler.com/embed/a5a69dc6) |