

Assigned Problems for Unit 1, BANA 5368, Summer 2012 (9th ed.)

Hand in a hard copy of your work on each problem at the start of class June 13. No electronic versions will be accepted. Put each data problem on a separate page. Problems marked (*) are not assigned, just extras for practice, and need not be turned in. Data files can be found under "Course Documents" on Blackboard, or on the publisher's website.

Ch 2 Graphical and Tabular Descriptive Techniques

| | | |
|--------------------------------------|------------------------|---|
| 2.2 Nominal Data | 2.26, (27*), 30 | Excel-how-to p. 20, 22 |
| 2.3 Two or more sets of Nominal Data | 2.47 | Excel-how-to p. 34, 35 |
| 3.1 Interval Data | 3.14, (19*), 21, (22*) | Excel-how-to histogram p 47, stem and leaf p. 56, ogive p.60 |
| 3.2 Time Series Data | 3.33, 34, 38 | Excel-how-to p. 67 |
| 3.3 Two Interval Variables | 3.51, 56, (57*) | Excel-how-to p. 75 |

Ch 4 Numerical Descriptive Techniques

4.5, 21, 48, 100, (104*) hand calculations
On 4.100 also **e)** make a scatterplot of coffees **Excel-how-to** p. 121, 137 and temperature, and **f)** find their correlation

Ch 9 Sampling Distributions, σ known

| | | |
|---------------------|-----------------------|-----------------------|
| 9.1 ... of the mean | 9.5, 7, 22, (24*), 25 | All hand calculations |
|---------------------|-----------------------|-----------------------|

Ch 11 Intro to Hypothesis testing

| | | |
|--------------------------------------|------|-------------|
| 11.1 Concepts (Type I and II errors) | 11.5 | Handwritten |
|--------------------------------------|------|-------------|

Ch 12 Inference about a population

| | | |
|---|----------------|--|
| 12.1 Inference about μ , σ unknown | 12.32, 40, 137 | Let Excel do everything, then redo all but x-bar and s by hand Excel-how-to p. 402, 405 |
|---|----------------|--|

Section 3.4 Graphical Excellence (covered on June 11)

At the following link you will find a poorly designed graph about educational attainment across countries: <http://jaredbernsteinblog.com/wp-content/uploads/2012/03/oecded1.png>
The data has been placed in an Excel spreadsheet on Blackboard, titled "OECD Education Data." Using this data, design a graph that displays the information contained in the spreadsheet more effectively. (The original graph was created by adding "high-low" lines to a line plot in Excel.)

Assigned Problems for Unit 1, BANA 5368, Summer 2012 (8th ed.)

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Ch 2 Graphical and Tabular Descriptive Techniques

| | | |
|--------------------------------------|------------------------|---|
| 2.2 Nominal Data | 2.21, (22*), 25 | Excel-how-to p. 20, 22 |
| 2.3 Interval Data | 2.44, (49*), 51, (52*) | Excel-how-to histogram p 33, stem and leaf p. 43, ogive p.46 |
| 2.4 Time Series Data | 2.59, 60, 64 | Excel-how-to p. 51 |
| 2.5 Two or more sets of Nominal Data | 2.77 | Excel-how-to p. 59, 60 |
| 2.6 Two Interval Variables | 2.87, 92, (93*) | Excel-how-to p.67 |

Ch 4 Numerical Descriptive Techniques

4.5, 21, 45, 84, (88*) hand calculations
On 4.84 also **e**) make a scatterplot of coffees and temperature, and **f**) find their correlation **Excel-how-to** p. 119, p. 133

Ch 9 Sampling Distributions, σ known

9.1 ... of the mean 9.5, 7, 22, (24*), 25 All hand calculations

Ch 11 Intro to Hypothesis testing

11.1 Concepts (Type I and II errors) 11.5 Handwritten

Ch 12 Inference about a population

12.1 Inference about μ , σ unknown 12.30, 38, 112
Let **Excel** do everything, then redo all but x-bar and s by hand
Excel-how-to p. 385, 388

Ch 3 Graphical Excellence (covered on June 11)

At the following link you will find a poorly designed graph about educational attainment across countries: <http://jaredbernsteinblog.com/wp-content/uploads/2012/03/oecded1.png>
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