Carver

Ch. 7

* Converted wide to narrow data and back to wide (stacked/unstacked) (80-83) – Exercise 1
* Stacked antibiotics data (83-84) – Exercise 2
* Split and transpose smartphone data (88-90) – Exercise 3
* Joined ratings and movies on movieid (100-101) – Exercise 4
* Take year out of title and put in new column [substr] – Exercise 5
* New column with just the movie name (stripped out year) and we created new column with just year (no parentheses) and then put the two new columns back together with parentheses to mimic the original title column (concat) – Exercise 6

Power BI

* Imported data from BankRate and Wiki and joined tables on state name and created a simple dashboard with just 2 or 3 visualizations.
  + Submit: Power BI file and a screenshot of your dashboard (put in MS word doc)
* Same thing as above using adventureworks or movielens
  + Submit: screenshots of your dashboard (put in MS Word doc)

Project

* Pick data set from Kaggle (min of 5000 rows)
* Describe the data set and why it was interesting to you
* Come up with questions
* Some type of data preparation in JMP
* Perform analysis – clustering, classification, regression, text mining, neural nets, or ?
  + Submit: results of analysis and your step through process along with an explanation of your results – copy results from JMP into word
  + These results should help answer your questions – therefore, answer the question.
* Perform some type of visualization
  + Describe how you pulled in data (merges, joins, etc,), did you calculate or create new columns
  + Pick a few visualizations and describe them.(zoom in on each visualization and include separate screenshots and explanations)