Class 2 Data Science Homework – Jessica Lin

#1 – **Columns**: Order\_id – unique identifier for each order, Quantity – quantity ordered of each item, Item\_name – item order, Choice\_description – description of item, Item\_price - $  
**Rows** – what was order at Chipotle at a point in time

**#2** ­– Number of orders - Not right but sort file, find highest number order\_id (1834)

$ sort chipotle.tsv | tail chipotle.tsv

1831 1 Carnitas Bowl [Fresh Tomato Salsa, [Fajita Vegetables, Rice, Black Beans, Cheese, Sour Cream, Lettuce]] $9.25

1831 1 Chips NULL $2.15

1831 1 Bottled Water NULL $1.50

1832 1 Chicken Soft Tacos [Fresh Tomato Salsa, [Rice, Cheese, Sour Cream]] $8.75

1832 1 Chips and Guacamole NULL $4.45

1833 1 Steak Burrito [Fresh Tomato Salsa, [Rice, Black Beans, Sour Cream, Cheese, Lettuce, Guacamole]] $11.75

1833 1 Steak Burrito [Fresh Tomato Salsa, [Rice, Sour Cream, Cheese, Lettuce, Guacamole]] $11.75

1834 1 Chicken Salad Bowl [Fresh Tomato Salsa, [Fajita Vegetables, Pinto Beans, Guacamole, Lettuce]] $11.25

1834 1 Chicken Salad Bowl [Fresh Tomato Salsa, [Fajita Vegetables, Lettuce]] $8.75

1834 1 Chicken Salad Bowl [Fresh Tomato Salsa, [Fajita Vegetables, Pinto Beans, Lettuce]] $8.75

**#3 – Number of lines**

$ wc -l chipotle.tsv

4623 chipotle.tsv

**#4**

$ grep -i "steak burrito" chipotle.tsv | wc -l

368

$ grep -i "chicken burrito" chipotle.tsv | wc -l

553

**#5**

$ grep -i "chicken burrito" chipotle.tsv | grep -i "black beans" | wc -l

282

$ grep -i "chicken burrito" chipotle.tsv | grep -i "pinto beans" | wc -l

105

**#6**

**$ find . -name \*.?sv**

./data/airlines.csv

./data/bank-additional.csv

./data/bikeshare.csv

./data/chipotle.tsv

./data/drinks.csv

./data/hitters.csv

./data/imdb\_1000.csv

./data/sms.tsv

./data/titanic.csv

./data/ufo.csv

./data/vehicles\_test.csv

./data/vehicles\_train.csv

./data/yelp.csv

**#7**

**$ grep -ir 'dictionary' .| wc -l**

91

Optional – there are 4589 unique lines of data, meaning there were 34 instances of order IDs ordering the same exact order  
$ sort chipotle.tsv | uniq -c chipotle.tsv | wc -l