main() Runs the functions in order, creating each necessary data structure and eventually the output. **INPUT: None OUTPUT: None** read in superstore(filename) Reads in the superstore data and processes it into a list of lists containing all of the data. INPUT: filename (string) OUTPUT: data (list of lists) state freq cat sales(data) Loops through the raw data and creates a get num sales per state(data) total sales per state(data) dictionary containing the most frequent Loops through the raw data and creates a dictionary Loops through the raw data and creates a sales category and the sales in that state dictionary containing the total number of containing the total sales (in dollars) for each state. from that category for each state. sales for each state. INPUT: data (list of lists) INPUT: data (list of lists) OUTPUT: state sales (dictionary) INPUT: data (list of lists) OUTPUT: state_cat_max (dictionary) OUTPUT: state counts (dictionary) calculate percent sales from most frequent category(st calculate average sale price per state(state sales, ate_sales, state_freq_cat_total_sales) state_counts) Takes in the total sales from each state and the total Takes in the total sales from each state and the sales from number of sales from each state and calculates the each state's most frequent category and calculates what average price of a sale in that state and puts it into a percentage of total sales comes from that category and dictionary. puts it into a dictionary. INPUT: state sales (dictionary), state counts (dictionary) INPUT: state sales (dictionary), state freq cat total sales OUTPUT: state avg price (dictionary) (dictionary) OUTPUT: state cat percent (dictionary) write to csv(filename, state avg price, state most freq cat percentage) Takes in both calculations and writes to a csv file containing each data point for each state. INPUT: filename (string), state_avg_price (dict), tate most freq cat percentage (dict) OUTPUT: None (writes to file)