fareavg\_y

ridecounts\_x

driversum\_size

TypeCityGroup\_df = merge\_table.set\_index(['type', 'city'])

TypeCityGroup\_df.head()

**urban\_df = merge\_table.loc[merge\_table["type"] == "Urban", :]**

**urban\_df[""]**

#merge\_table\_index\_type\_df = merge\_table.set\_index('type')

#merge\_table\_index\_type\_df.loc['Urban','fare']

**#fare for fare in merge\_table['fare'] if merge\_table['type'] == 'Urban'**

**#urban\_fare\_list = [fare for fare in merge\_table['fare'] if merge\_table['type'] == 'Urban']**

**#hot\_days = [ for temperature in temperature july\_temperatures if temperature > 90]**

**#for x in merge\_table\_index\_type\_df["type"]:**

**#if x == "Urban":**

**#urban\_fare\_list.append(merge\_table\_index\_type\_df[x,"fare"])**

**#print(urban\_fare\_list)**

**#Urban ride count by city**

**#count the number of rides per city and add to a list**

**#elif (x,merge\_table["type"]) == "Suburban":**

**#urban\_fare\_list.append.(x,merge\_table["fare"])**

**#else:**

**#urban\_fare\_list.append"fare"**

For homework l unique for type column to iterate through the list to averages

How to you add information into a dataframe

grouped\_merge\_table\_avg = df.groupby('Name')['Credit'].agg(['sum','average'])

grouped\_merge\_table.head()

grouped\_merge\_table\_avg = df.groupby('Name')['Credit'].agg(['sum','average'])

grouped\_merge\_table.head()

#group by city

#iterate through rows adding each number until the next row no longer matches

while

#see VBA homework

#dump finished summation into average calculation

#dump finished calculation into list

#go back through loop

urban\_fare\_list = []

for x in range(len(grouped\_merge\_table["type"]))

fare\_counter=0

if grouped\_merge\_table.iloc[x,5] == 'Urban':

fare\_counter = farecounter + grouped\_merge\_table.iloc[x,5]

urban\_fare\_list.append(farecounter)

urban\_fare\_avg = grouped\_merge\_table['fare'].mean()

print(urban\_fare\_avg)

#urban\_fare\_list = []

#for x in range(len(merge\_table["type"])):

# if merge\_table.iloc[x,5] == 'Urban':

# urban\_fare\_list.append(merge\_table.iloc[x,2])

#urban\_fare\_list

x\_axis = np.arange(0,45,5)

x\_axis

fareavg\_y= merge\_table.groupby(['type','city']).mean()

fareavg\_y.head(1)

ridecounts\_x = merge\_table.groupby(['type','city']).count()

ridecounts\_x.head(1)

driversum\_size = merge\_table.groupby(['type','city']).sum()

driversum\_size.head(1)

rural\_fare\_y\_axis = list(fareavg\_y.loc['Rural','fare'])

rural\_fare\_y\_axis

rural\_fare\_x\_axis = list(ridecounts\_x.loc['Rural','fare'])

rural\_fare\_x\_axis

urban\_percent = merge\_table.loc[merge\_table["type"] == "Urban", 'fare'].sum()/merge\_table.loc[:, 'fare'].sum()

urban\_percent

rural\_percent = merge\_table.loc[merge\_table["type"] == "Rural", 'fare'].sum()/merge\_table.loc[:, 'fare'].sum()

rural\_percent

suburban\_percent = merge\_table.loc[merge\_table["type"] == "Suburban", 'fare'].sum()/merge\_table.loc[:, 'fare'].sum()

suburban\_percent