# **Multiple Linear Regression**

### Import the Relevant Libraries

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
sns.set()

from sklearn.linear_model import LinearRegression
```

#### Load the Data

In [3]:	data.describe()	

Out[3]:		SAT	Rand 1,2,3	GPA
	count	84.000000	84.000000	84.000000
	mean	1845.273810	2.059524	3.330238
	std	104.530661	0.855192	0.271617
	min	1634.000000	1.000000	2.400000
	25%	1772.000000	1.000000	3.190000
	50%	1846.000000	2.000000	3.380000
	<b>75</b> %	1934.000000	3.000000	3.502500
	max	2050.000000	3.000000	3.810000

### **Create the Multiple Linear Regression**

Declare the Dependent and Independent Variables

## The Regression Itself