

Data Analysis Report

Dataset Preview:

```
Price Demand
0 525.14 658
1 596.57 508
2 608.65 464
3 589.91 512
4 543.92 624
```

Summary Statistics:

```
Price Demand
count 527.000000 527.000000
mean 543.315693 632.390892
std 31.322106 75.272755
min 459.220000 422.000000
25% 521.840000 583.000000
50% 543.350000 635.000000
75% 564.815000 685.500000
max 625.260000 808.000000
```

Correlation Matrix:

```
Price Demand
Price 1.000000 -0.984024
Demand -0.984024 1.000000
```

Regression Results:

```
coefficient: -2.3647905411849965
intercept: 1917.2187025775647
r_squared: 0.9683038252831868
```



