

# Data Cleaning Walkthrough: Analyzing and Visualizing the Data: Takeaways



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## Syntax

- Finding correlations between columns in a dataframe:

```
combined.corr()
```

- Specifying a plot type using `Dataframe.plot()`:

```
combined.plot.scatter(x='total_enrollment', y='sat_score')
```

- Converting a Pandas series to list:

```
longitudes = combined["lon"].tolist()
```

## Concepts

- An r value measures how closely two sequences of numbers are correlated.
- An r value ranges for `-1` to `1`.
- An r value closer to `-1` tells us the two columns are negatively correlated while an r value closer to `1` tells us the columns are positively correlated.
- The r value is also called Pearson's correlation coefficient.

## Resources

- [R value](#)
- [pandas.DataFrame.plot\(\)](#)
- [Correlation](#)
- [Guess the Correlation](#)

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