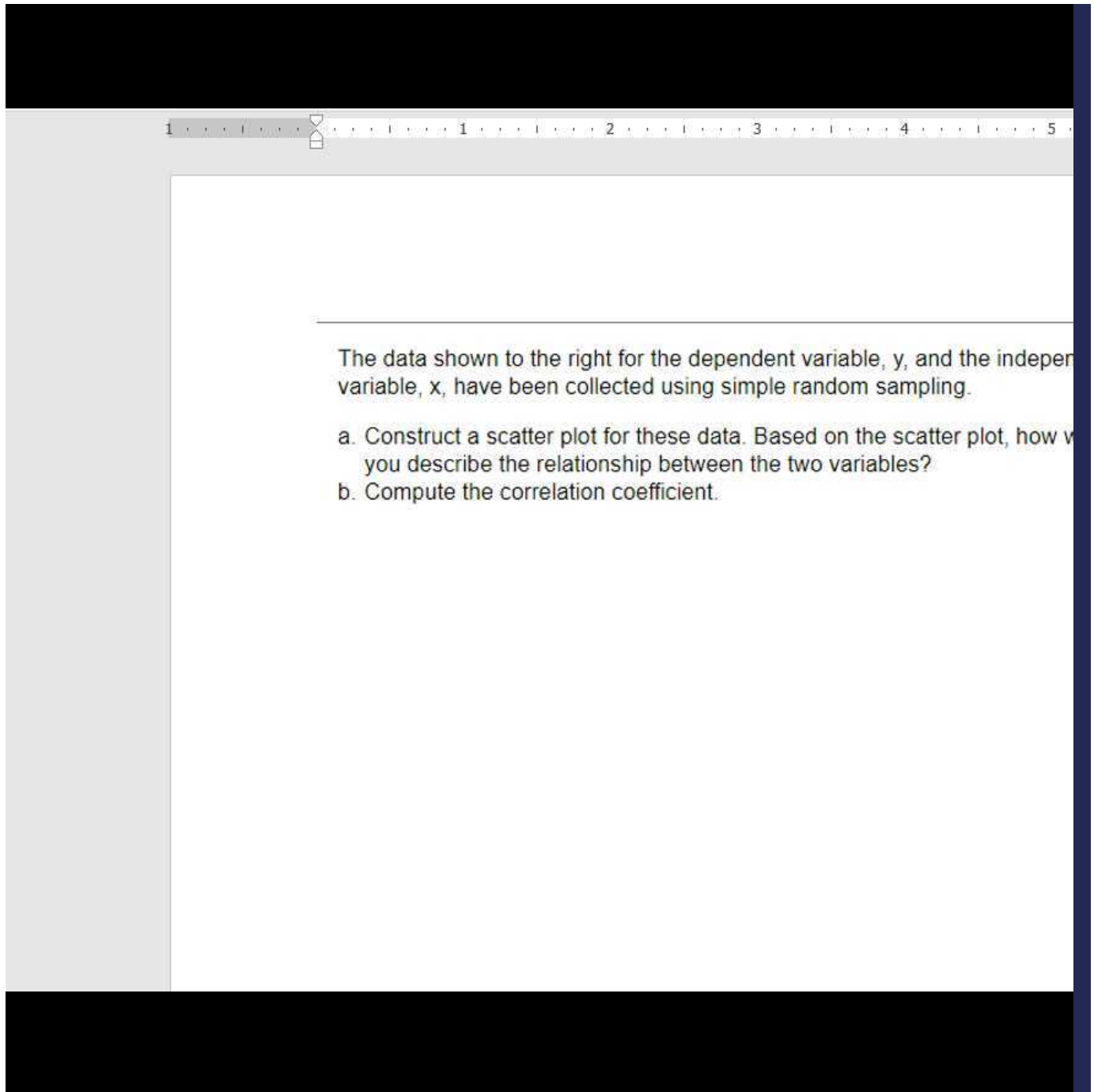


## 10.1 Correlation and Linear Regression using Excel

Please view the video to learn how to create a correlation and linear regression.



The data shown to the right for the dependent variable,  $y$ , and the independent variable,  $x$ , have been collected using simple random sampling.

- Construct a scatter plot for these data. Based on the scatter plot, how would you describe the relationship between the two variables?
- Compute the correlation coefficient.