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Project 1 Report

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**Scenario A:** For this scenario, only the height of males and females were considered. A normal distribution scatter plot was created using Python. The male heights were centered around the average male height (5.9), with a standard deviation of 0.1. The female heights were centered around the average female height (5.4), with a standard deviation of 0.1. The graph is shown below.

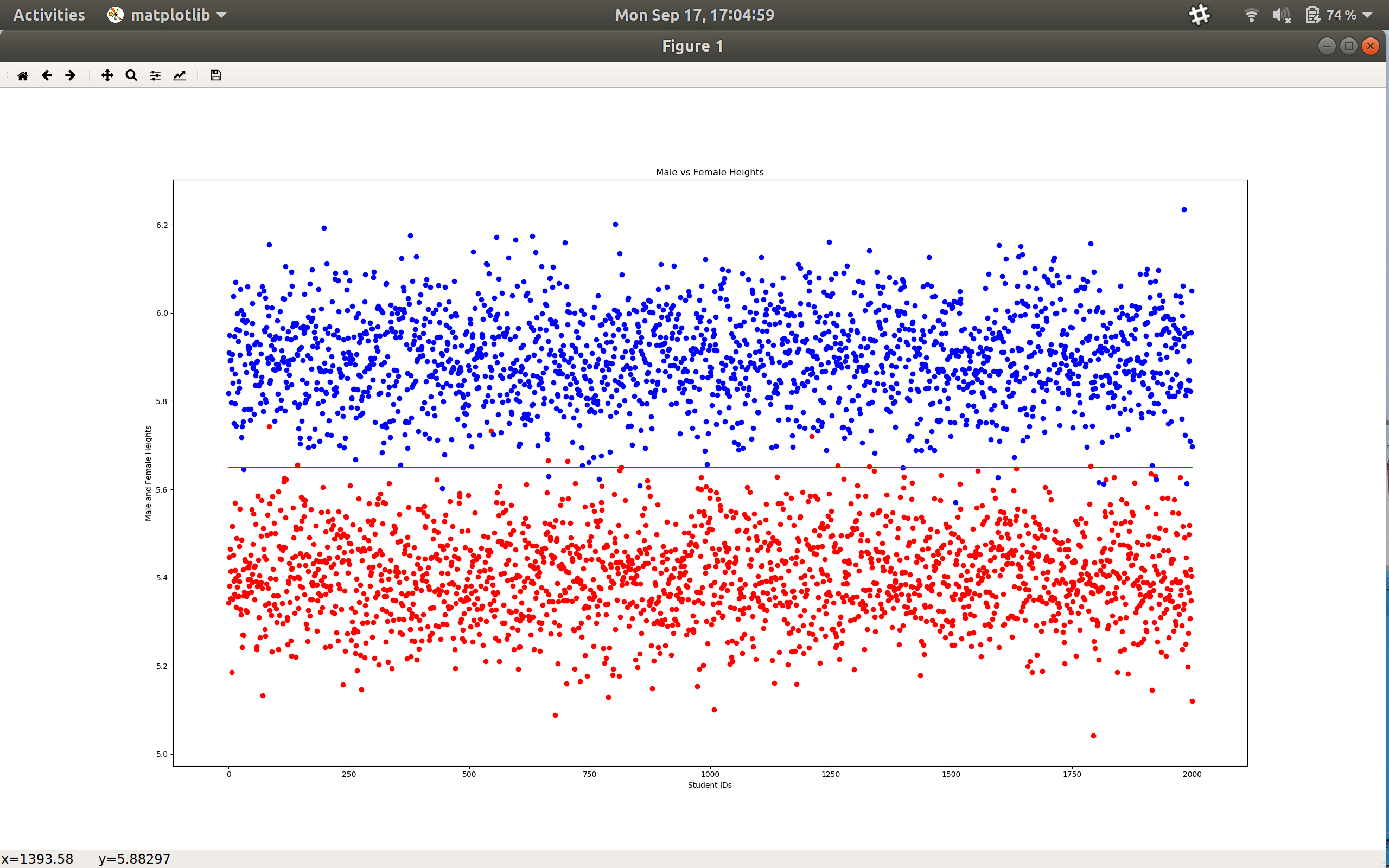


Figure 1 shows a normal distribution of male and female heights. With a line of separation defined as y = 2000(0) + 5.65.