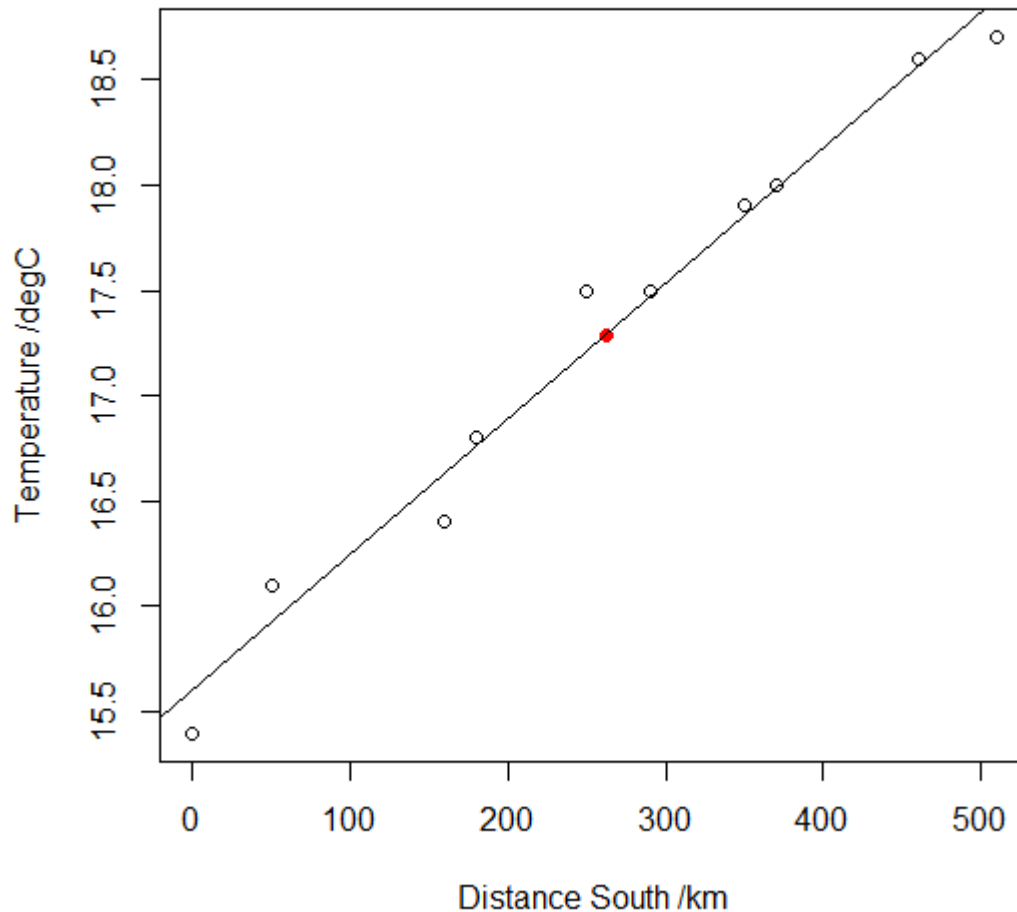


Y9 Lesson 3 Solutions

Temperature Prediction

1) Scatter plot:

Scatter Plot of Temperature vs. Distance South



2) This question develops the use of scatter plots.

- a) $c = 15.6$
- b) $m = 0.00649$

3) This question develops the use of scatter plots.

- a) $Temp = 19.5^{\circ}C$
- b) $Distance = 986km$
- c) Misspecification of model south of equator.

Question 3c) could be a useful point for discussion, the Forecast Verification section has no general solutions.