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CS 325 Proj 4

1 Warm-Up Question

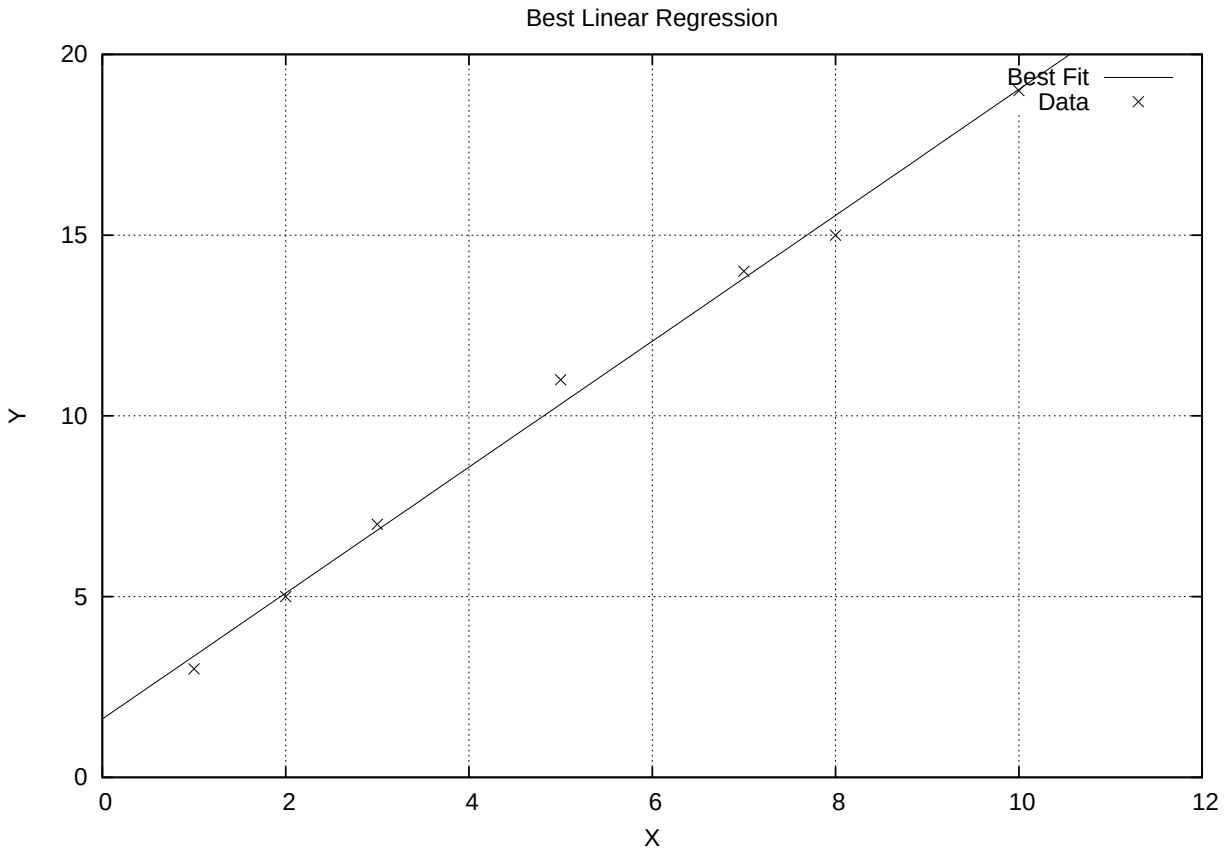
General Problem

min t
$a * x_i + b - y_i >= t$
$-a * xi - b + y_i >= t$
where x_i and y_i are from the set of data, finding a and b

Specific Problem

$a = 1$
$b = -0.857$

Plot



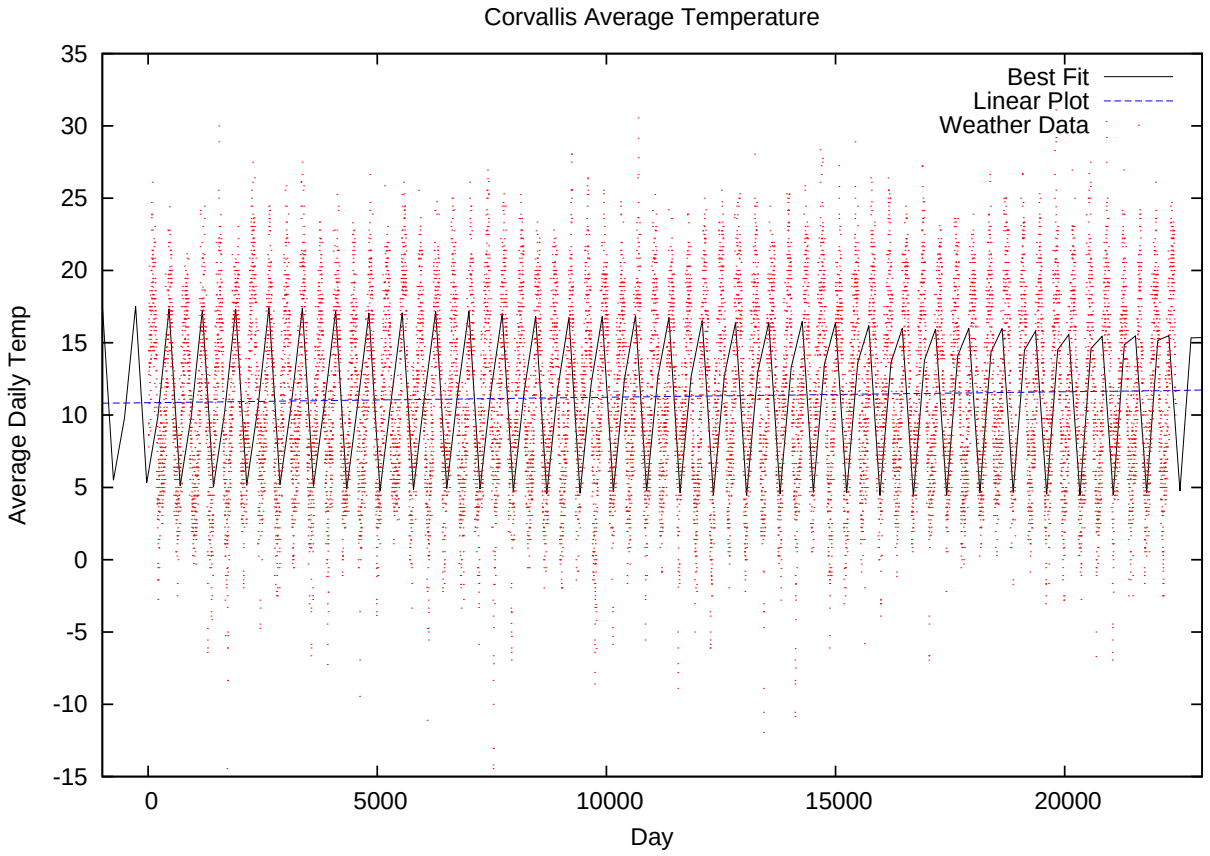
2 Warming-Up Question

Linear Program Description

X Constants

$x_0 = 10.8564$
$x_1 = 3.7825 * 10^{-5}$
$x_2 = -2.61736$
$x_3 = 6.59226$
$x_4 = 0.0190993$
$x_5 = -0.133374$

Plot



X_1 Century Trend

With x_1 being $3.7825 * 10^{-5}$ or 0.000037825, this says that Corvallis is increasing by 0.00003 °C per century. this is a heating trend.