

1. Adding x7, FStat = 52.8643, pValue = 4.65713e-12

ans =

Linear regression model:

$$y \sim 1 + x7$$

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	-0.05655	0.02038	-2.7748	0.0059438
x7	0.50968	0.070099	7.2708	4.6571e-12

Number of observations: 250, Error degrees of freedom: 248

Root Mean Squared Error: 0.21

R-squared: 0.176, Adjusted R-Squared 0.172

F-statistic vs. constant model: 52.9, p-value = 4.66e-12

1. Adding x9, FStat = 194.2731, pValue = 5.33475e-33

2. Adding x7, FStat = 59.7007, pValue = 2.7694e-13

3. Adding x14, FStat = 24.0339, pValue = 1.71993e-06

ans =

Linear regression model:

$$y \sim 1 + x7 + x9 + x14$$

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	-0.23823	0.034904	-6.8254	6.7945e-11
x7	0.48573	0.072187	6.7288	1.1928e-10
x9	0.86167	0.081632	10.556	9.9864e-22
x14	0.41402	0.084451	4.9024	1.7199e-06

Number of observations: 250, Error degrees of freedom: 246

Root Mean Squared Error: 0.199

R-squared: 0.589, Adjusted R-Squared 0.584

F-statistic vs. constant model: 117, p-value = 3.46e-47

1. Adding x9, FStat = 194.3202, pValue = 5.264423e-33

2. Adding x7, FStat = 58.8765, pValue = 3.88188e-13

3. Adding x14, FStat = 28.4994, pValue = 2.12968e-07

ans =

Linear regression model:

$$y \sim 1 + x7 + x9 + x14$$

Estimated Coefficients:

	Estimate	SE	tStat	pValue
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(Intercept)	-0.27465	0.039903	-6.883	4.843e-11
x7	0.5478	0.082525	6.638	2.0157e-10
x9	0.98152	0.093322	10.517	1.3197e-21
x14	0.51541	0.096546	5.3385	2.1297e-07

Number of observations: 250, Error degrees of freedom: 246

Root Mean Squared Error: 0.227

R-squared: 0.594, Adjusted R-Squared 0.589

F-statistic vs. constant model: 120, p-value = 6.35e-48

1. Adding x9, FStat = 195.0446, pValue = 4.293155e-33

2. Adding x7, FStat = 58.1532, pValue = 5.22543e-13

3. Adding x14, FStat = 24.2021, pValue = 1.5885e-06

ans =

Linear regression model:

$y \sim 1 + x7 + x9 + x14$

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	-0.25288	0.042413	-5.9624	8.5844e-09
x7	0.58111	0.087717	6.6247	2.1753e-10
x9	1.0493	0.099194	10.578	8.4578e-22
x14	0.50485	0.10262	4.9196	1.5885e-06

Number of observations: 250, Error degrees of freedom: 246

Root Mean Squared Error: 0.242

R-squared: 0.587, Adjusted R-Squared 0.582

F-statistic vs. constant model: 117, p-value = 4.81e-47

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