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| Algorithm            | Test MSE | <b>Parameters Selected</b> | # Correct | # Incorrect | MSE Diff | # Correct Diff | # Incorrect Diff |
|----------------------|----------|----------------------------|-----------|-------------|----------|----------------|------------------|
| LASSO                | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| Ridge w/ST           | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| Ridge w/Quad ST      | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| Ridge w/Exp ST       | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| Elastic Net          | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| LASSO w/BGD          | 1.42     | All                        | 5         | 33          | 0        | -5             | -33              |
| sklearn.linear_model | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |

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| Algorithm            | Test MSE | <b>Parameters Selected</b> | # Correct | # Incorrect | MSE Diff | # Correct Diff | # Incorrect Diff |
|----------------------|----------|----------------------------|-----------|-------------|----------|----------------|------------------|
| LASSO                | 1.53     | 14, 18, 21, 25             | 0         | 4           | -0.11    | 0              | -3               |
| Ridge w/ST           | 1.5      | 14, 18, 21                 | 0         | 3           | -0.08    | 0              | -2               |
| Ridge w/Quad ST      | 1.43     | 14                         | 0         | 1           | -0.01    | 0              | 0                |
| Ridge w/Exp ST       | 1.44     | 14                         | 0         | 1           | -0.02    | 0              | 0                |
| Elastic Net          | 1.64     | 2, 7, 14, 18, 21, 24, 25   | 3         | 4           | -0.22    | -3             | -3               |
| LASSO w/BGD          | 1.42     | All                        | 5         | 33          | 0        | -5             | -32              |
| sklearn.linear_model | 1.42     | 14                         | 0         | 1           | 0        | 0              | 0                |

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| Algorithm            | Test MSE | <b>Parameters Selected</b> | # Correct | # Incorrect | MSE Diff | # Correct Diff | # Incorrect Diff |
|----------------------|----------|----------------------------|-----------|-------------|----------|----------------|------------------|
| LASSO                | 1.41     | 3                          | 0         | 1           | 0.01     | 0              | -1               |
| Ridge w/ST           | 1.43     | 3, 14, 24                  | 1         | 2           | -0.01    | -1             | -2               |
| Ridge w/Quad ST      | 1.47     | 3, 4, 8, 14, 24            | 1         | 4           | -0.05    | -1             | -4               |
| Ridge w/Exp ST       | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |
| Elastic Net          | 1.42     | 3, 24                      | 1         | 1           | 0        | -1             | -1               |
| LASSO w/BGD          | 1.42     | All                        | 5         | 33          | 0        | -5             | -33              |
| sklearn.linear_model | 1.42     | None                       | 0         | 0           | 0        | 0              | 0                |