**All Feature:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Target | MAE | MSE | R2 | MAPE |
| RF | Fresh | **2.92** | **15.16** | **-0.14** | **12.59%** |
| RF-G | Fresh | **2.87** | **13.41** | **-0.01** | **12.21%** |
| SVM | Fresh | **3.86** | **22.57** | **-0.70** | **15.82%** |
| SVN-G | Fresh | **4.24** | **26.41** | **-0.99** | **17.32%** |
| XGB | Fresh | **3.94** | **24.33** | **-0.83** | **17.40%** |
| XGB-G | Fresh | **3.67** | **20.84** | **-0.57** | **15.02%** |
| Ridge | Fresh | **4.22** | **25.93** | **-0.95** | **20.68%** |
| SGD | Fresh | **5.76** | **47.76** | **-2.60** | **28.17%** |
| SGD-G | Fresh | **4.02** | **28.11** | **-1.11** | **19.57%** |
| Lasso | Fresh | **4.19** | **25.83** | **-0.94** | **17.12%** |
| Elastic | Fresh | **4.19** | **25.83** | **-0.94** | **17.12%** |
| Gradient | Fresh | **3.22** | **16.70** | **-0.25** | **13.32%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Target | MAE | MSE | R2 | MAPE |
| RF | Dry | **1.77** | **4.90** | **0.13** | **13.60%** |
| RF-G | Dry | **1.84** | **5.31** | **0.06** | **13.75%** |
| SVM | Dry | **2.61** | **10.43** | **-0.83** | **22.48%** |
| SVN-G | Dry | **2.34** | **8.21** | **-0.44** | **16.58%** |
| XGB | Dry | **2.09** | **6.88** | **-0.21** | **15.69%** |
| XGB-G | Dry | **2.56** | **9.75** | **-0.71** | **17.98%** |
| Ridge | Dry | **2.70** | **10.95** | **-0.93** | **23.18%** |
| SGD | Dry | **3.51** | **18.21** | **-2.21** | **30.08%** |
| SGD-G | Dry | **2.64** | **11.09** | **-0.95** | **22.41%** |
| Lasso | Dry | **2.53** | **9.84** | **-0.73** | **17.70%** |
| Elastic | Dry | **2.53** | **9.84** | **-0.73** | **17.70%** |
| Gradient | Dry | **2.11** | **6.97** | **-0.22** | **15.19%** |

**All Feature:**

**Reduce Feature:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Target | MAE | MSE | R2 | MAPE |
| RF | Fresh | **2.88** | **14.83** | **-0.11** | **12.40%** |
| RF-G | Fresh | **2.92** | **13.62** | **-0.02** | **12.56%** |
| SVM | Fresh | **3.93** | **23.25** | **-0.75** | **16.09%** |
| SVN-G | Fresh | **3.67** | **20.57** | **-0.55** | **15.12%** |
| XGB | Fresh | **3.94** | **24.30** | **-0.83** | **17.40%** |
| XGB-G | Fresh | **3.68** | **20.98** | **-0.58** | **15.10%** |
| Ridge | Fresh | **4.29** | **27.19** | **-1.04** | **21.08%** |
| SGD | Fresh | **6.01** | **52.03** | **-2.92** | **29.36%** |
| SGD-G | Fresh | **3.83** | **25.46** | **-0.91** | **18.81%** |
| Lasso | Fresh | **4.19** | **25.83** | **-0.94** | **17.12%** |
| Elastic | Fresh | **4.19** | **25.83** | **-0.94** | **17.12%** |
| Gradient | Fresh | **3.16** | **15.96** | **-0.20** | **13.13%** |

**Reduce Feature:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Target | MAE | MSE | R2 | MAPE |
| RF | Dry | **1.70** | **4.56** | **0.19** | **13.24%** |
| RF-G | Dry | **1.82** | **5.20** | **0.08** | **13.83%** |
| SVM | Dry | **2.66** | **10.90** | **-0.92** | **22.94%** |
| SVN-G | Dry | **2.45** | **8.92** | **-0.57** | **17.28%** |
| XGB | Dry | **2.09** | **6.89** | **-0.21** | **15.70%** |
| XGB-G | Dry | **2.58** | **9.83** | **-0.73** | **18.08%** |
| Ridge | Dry | **2.74** | **11.43** | **-1.01** | **23.61%** |
| SGD | Dry | **3.60** | **19.24** | **-2.39** | **30.87%** |
| SGD-G | Dry | **3.41** | **16.66** | **-1.93** | **29.08%** |
| Lasso | Dry | **2.53** | **9.84** | **-0.73** | **17.70%** |
| Elastic | Dry | **2.20** | **7.30** | **-0.28** | **16.03%** |
| Gradient | Dry | **2.14** | **7.11** | **-0.25** | **15.39%** |