|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Kernel** | **C** | **Epsilon** | **R\*R** |
| 1 | Linear | 1 | 0.1 | -0.0556 |
| 2 | Linear | 1 | 1 | -0.0556 |
| 3 | Linear | 0.5 | 0.1 | -0.0565 |
| 4 | Linear | 0.5 | 1 | -0.0565 |
| 5 | Poly | 1 | 0.1 | -0.0571 |
| 6 | Poly | 1 | 1 | -0.0571 |
| 7 | Poly | 0.5 | 0.1 | -0.0572 |
| 8 | Poly | 0.5 | 1 | -0.0572 |
| 9 | Rbf | 1 | 0.1 | -0.0574 |
| 10 | Rbf | 1 | 1 | -0.0574 |
| 11 | Rbf | 0.5 | 0.1 | -0.0574 |
| 12 | Rbf | 0.5 | 1 | -0.0574 |
| 13 | Sigmoid | 1 | 0.1 | -0.0572 |
| 14 | Sigmoid | 1 | 1 | -0.0572 |
| 15 | Sigmoid | 0.5 | 0.1 | -0.0573 |
| 16 | Sigmoid | 0.5 | 1 | -0.0573 |
| 17 | Precomputed | 1 | 0.1 | Error: Input 35\*5 matrix |
| 18 | Precomputed | 1 | 1 | Error: Input 35\*5 matrix |
| 19 | Precomputed | 0.5 | 0.1 | Error: Input 35\*5 matrix |
| 20 | Precomputed | 0.5 | 1 | Error: Input 35\*5 matrix |

SVM R2 value Comparision:

Default:  
Kernael=rbf, c=1000 R\*R= 0.0067

Decision Tree R\*R Value Comparision:

Default:

Criterion= friedman\_mse , splitter = Random , R\*R= 0.92

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **criterion** | **splitter** | R\*R |
| 1 | squared\_error | Best | 0.91 |
| 2 | squared\_error | Random | 0.78 |
| 3 | friedman\_mse | Best | 0.89 |
| 4 | friedman\_mse | Random | 0.92 |
| 5 | absolute\_error | Best | 0.94 |
| 6 | absolute\_error | Random | 0.77 |
| 7 | Poisson | Best | 0.92 |
| 8 | poisson | random | 0.69 |