**Support Vector Machine:**

**Tuning Parameters: kernel,C**

Observation: For different Tuning parameters ( For lower C values ranging from 0.01 to 1000, r2\_score did not give a better result)

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| --- | --- | --- |
| **R2\_score** | **Kernel** | **C** |
| 0.2503848754959598 | Rbf | 3000 |
| 0.8988313401263799 | linear | 3000 |
| 0.5833393774039068 | poly | 3000 |
| 0.6092419102256079 | Sigmoid | 3000 |
| Not applicable for the given data set as it requires a square matrix | Precomputed |  |