**Support Vector Machine 🡪 Parameters:**

* Highlighted green color for which parameter have good model.

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| **Support Vector Machine** | | |
| **kernel** | **gamma** | **R² Value** |
| ***linear*** | ***scale*** | ***0.89*** |
| ***linear*** | ***auto*** | ***0.05*** |
| ***poly*** | ***scale*** | ***0.05*** |
| ***poly*** | ***auto*** | ***0.05*** |
| ***rbf*** | ***scale*** | ***0.05*** |
| ***rbf*** | ***auto*** | ***0.05*** |
| ***sigmoid*** | ***scale*** | ***0.05*** |
| ***sigmoid*** | ***auto*** | ***0.05*** |
| ***precomputed*** | ***scale*** | ***0.05*** |
| ***precomputed*** | ***auto*** | ***0.05*** |

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| **Support Vector Machine** | | |
| **kernel** | **gamma** | **R² Value** |
| ***linear*** | ***scale*** | ***0.89*** |
| ***poly*** | ***scale*** | ***-0.5*** |
| ***rbf*** | ***scale*** | ***-0.5*** |
| ***sigmoid*** | ***scale*** | ***-0.5*** |
| ***precomputed*** | ***scale*** | ***-0.5*** |

**Decision Tree Parameters:**

* Highlighted green color for which parameter have good model.

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| **Decision Tree** | |
| **criterion** | **R² Value** |
| ***squared\_error*** | ***0.92*** |
| ***friedman\_mse*** | ***0.93*** |
| ***absolute\_error*** | ***0.95*** |
| ***poisson*** | ***0.92*** |

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| **Decision Tree** | | |
| **criterion** | **splitter** | **R² Value** |
| ***squared\_error*** | ***best*** | ***0.89*** |
| ***squared\_error*** | ***random*** | ***0.29*** |
| ***friedman\_mse*** | ***best*** | ***0.93*** |
| ***friedman\_mse*** | ***random*** | ***0.87*** |
| ***absolute\_error*** | ***best*** | ***0.95*** |
| ***absolute\_error*** | ***random*** | ***0.59*** |
| ***poisson*** | ***best*** | ***0.92*** |
| ***poisson*** | ***random*** | ***0.87*** |

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| **Decision Tree** | | | |
| **criterion** | **splitter** | **max\_features** | **R² Value** |
| ***squared\_error*** | ***best*** | ***sqrt*** | ***0.41*** |
| ***squared\_error*** | ***best*** | ***log2*** | ***0.35*** |
| ***squared\_error*** | ***random*** | ***sqrt*** | ***-0.06*** |
| ***squared\_error*** | ***random*** | ***log2*** | ***0.7*** |
| ***friedman\_mse*** | ***best*** | ***sqrt*** | ***0.41*** |
| ***friedman\_mse*** | ***best*** | ***log2*** | ***0.55*** |
| ***friedman\_mse*** | ***random*** | ***sqrt*** | ***-0.43*** |
| ***friedman\_mse*** | ***random*** | ***log2*** | ***0.73*** |
| ***absolute\_error*** | ***best*** | ***sqrt*** | ***0.75*** |
| ***absolute\_error*** | ***best*** | ***log2*** | ***0.57*** |
| ***absolute\_error*** | ***random*** | ***sqrt*** | ***0.54*** |
| ***absolute\_error*** | ***random*** | ***log2*** | ***0.72*** |
| ***poisson*** | ***best*** | ***sqrt*** | ***-0.06*** |
| ***poisson*** | ***best*** | ***log2*** | ***0.39*** |
| ***poisson*** | ***random*** | ***sqrt*** | ***0.62*** |
| ***poisson*** | ***random*** | ***log2*** | ***0.71*** |