| *Serial_No* | *criterion* | Splitter | Max_features | R_score Value |
|---|---|---|---|---|
| ***1*** | Mse | Best | auto | 0.9338033579883733 |
| ***2*** | Mse | random | auto | 0.8593332968353671 |
| ***3*** | Mse | Best | sqrt | 0.7758924163552272 |
| ***4*** | Mse | Random | sqrt | 0.8014584083629501 |
| ***5*** | Mse | Best | Log2 | 0.8012615324809288 |
| ***6*** | Mse | Random | Log2 | 0.8552738018074131 |
| ***7*** | Mae | Best | auto | 0.965617782933995 |
| ***8*** | Mae | Random | auto | 0.9082610143210361 |
| ***9*** | Mae | Best | sqrt | 0.61871601197771 |

| | | | | |
|---|---|---|---|---|
| ***10*** | Mae | Random | sqrt | 0.053106132060677935 |
| ***11*** | Mae | Best | Log2 | -0.25965207487306685 |
| ***12*** | Mae | Random | Log2 | 0.5969090464452953 |
| ***13*** | ***friedman_mse*** | Best | auto | 0.928551465610333 |
| ***14*** | ***friedman_mse*** | Random | auto | 0.9110751926076432 |
| ***15*** | ***friedman_mse*** | Best | sqrt | 0.9323772595206967 |
| ***16*** | ***friedman_mse*** | Random | sqrt | 0.25035769985959133 |
| ***17*** | ***friedman_mse*** | Best | Log2 | 0.8724720173754903 |
| ***18*** | ***friedman_mse*** | Random | Log2 | 0.756082612309832 |

| | | | | |
|---|---|---|---|---|
| ***19*** | ***poisson*** | Best | auto | 0.7145316552321365 |
| ***20*** | ***poisson*** | Random | auto | 0.2786500135079307 |
| ***21*** | ***poisson*** | Best | sqrt | 0.39879586209755113 |
| ***22*** | ***poisson*** | Random | sqrt | -0.7327870307224149 |
| ***23*** | ***poisson*** | Best | Log2 | 0.027500692573897534 |
| ***24*** | ***poisson*** | Random | Log2 | -0.11532435109077754 |

The Descision Tree Regression use R2 value (Mae,Best,auto)= 0.965617782933995