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Homework 7

A picture containing graphical user interface

Description automatically generatedFebruary 23rd, 2022

|  |  |  |
| --- | --- | --- |
| K | Train Error | Test Error |
| 10 | 0.074667 | 0.087 |
| 30 | 0.033667 | 0.038 |
| 100 | 0.0125 | 0.03 |
| 300 | 0 | 0.027 |
| 500 | 0 | 0.025 |

1. A picture containing graphical user interface

   Description automatically generated

|  |  |  |
| --- | --- | --- |
| K | Train Error | Test Error |
| 10 | 0.073333 | 0.106667 |
| 30 | 0.003333 | 0.093333 |
| 100 | 0 | 0.09 |
| 300 | 0 | 0.083333 |
| 500 | 0 | 0.086667 |

1. Graphical user interface, application

   Description automatically generated

|  |  |  |
| --- | --- | --- |
| K | Train Error | Test Error |
| 10 | 0.377 | 0.403333 |
| 30 | 0.345 | 0.428333 |
| 100 | 0.309 | 0.433333 |
| 300 | 0.2695 | 0.431667 |
| 500 | 0.265 | 0.423333 |