**Experimentación Ocupación**

**Selección de Features**

Usando el dataset con una muestra original, esto por conservar bastante información del dataset similar, pero con una dimensión menor de datos lo cual permite una ejecución más rápida de los algoritmos. Más adelante se experimentará específicamente para determinar la resolución optima del dataset.

Dataset Gimnasio

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Según K-best | | | Según RFE (Recursive Features Elimination) | | |
|  | Completo | Reducido | Mínimo | Completo | Reducido | Mínimo |
| SVM |  |  |  |  |  |  |
| KNN |  |  |  |  |  |  |
| DT |  |  |  |  |  |  |

Dataset Residencial

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Según K-best | | | Según RFE | | |
|  | Completo | Reducido | Mínimo | Completo | Reducido | Mínimo |
| SVM |  |  |  |  |  |  |
| KNN |  |  |  |  |  |  |
| DT |  |  |  |  |  |  |

**Selección de Resolución Optima** (usando subconjunto de features óptimos)

Dataset Gimnasio

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Tomando 1 muestra | | | | | | Promediando muestras | | | | |
|  | Original | 10s | 30s | 1 min | 5 min | 10s | | 30s | 1min | 5 min |
| SVM |  |  |  |  |  |  | |  |  |  |
| KNN |  |  |  |  |  |  | |  |  |  |
| DT |  |  |  |  |  |  | |  |  |  |

Dataset Residencial

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Tomando 1 muestra | | | | | | Promediando muestras | | | | |
|  | Original | 10s | 30s | 1 min | 5 min | 10s | | 30s | 1min | 5 min |
| SVM |  |  |  |  |  |  | |  |  |  |
| KNN |  |  |  |  |  |  | |  |  |  |
| DT |  |  |  |  |  |  | |  |  |  |