



Proyecto de Reconocimiento de Patrones

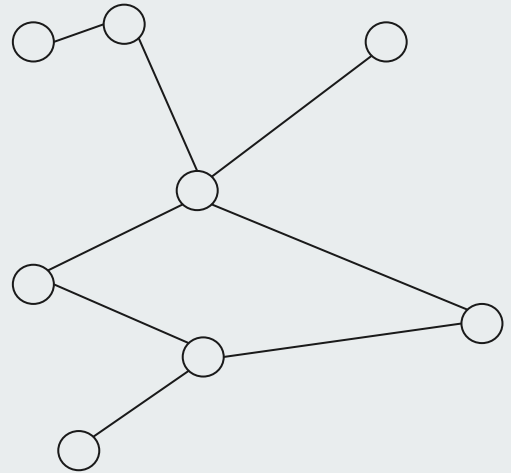
Grupo 8

Vicente Calisto

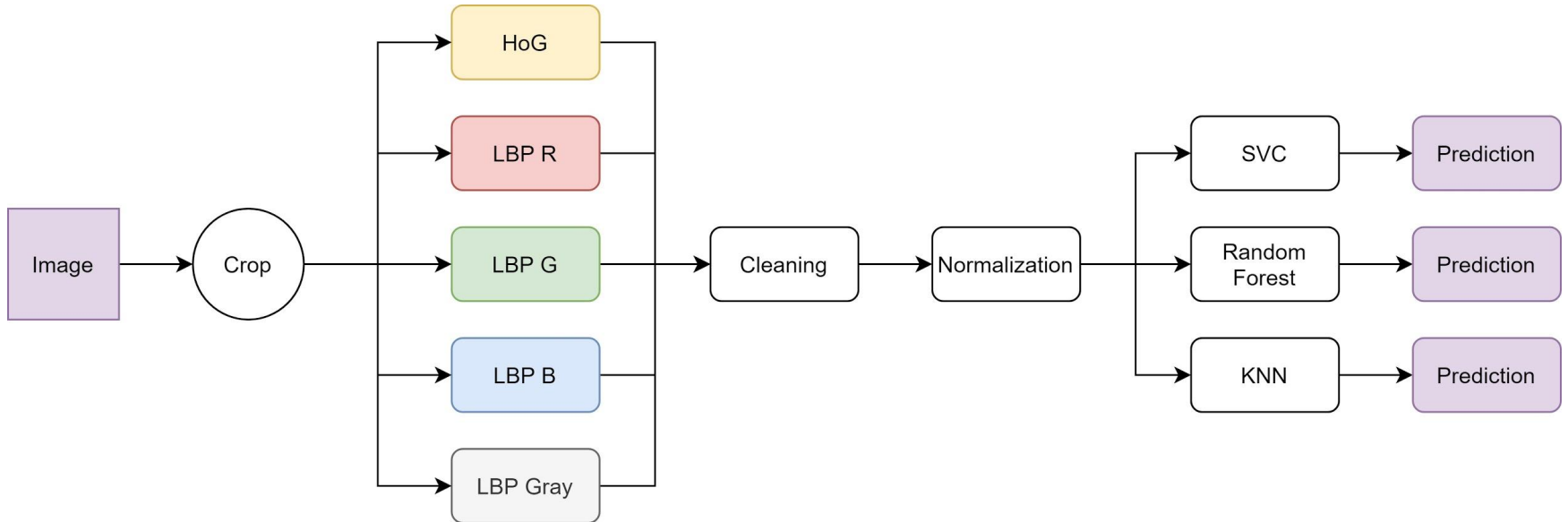
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Métodos utilizados





Resultados Obtenidos

| LBP Pybalu | LBP SKImage | HoG SKImage | Clasificador | Set A (test) | Set B (test) | Set C (test) | Set D (test) |
|---------------|----------------|----------------|--------------|-----------------|-----------------|-----------------|-----------------|
| ✓ | ✗ | ✗ | KNN | 75.0% | 81.25% | 69.5% | 62.05% |
| ✗ | ✓ | ✓ | KNN | 78.125% | 77.5% | 69.5% | 62.65% |
| ✓ | ✗ | ✗ | SVM | 87.5% | 83.75% | 76.0% | 71.687% |
| ✗ | ✓ | ✓ | SVM | 81.25% | 81.25% | 77.0% | 71.08% |
| ✓ | ✗ | ✗ | RF | 78.125% | 76.25% | 71.0% | 69.578% |
| ✗ | ✓ | ✓ | RF | 87.5% | 88.75% | 76.5% | 72.59% |



Trabajo Futuro

Crop:

Forma
Segmentación

Clasificadores:

Red neuronal
Sparse Representation

Obtención de características: SIFT

Clustering:

KMeans
BoW

Transformaciones:

SFS