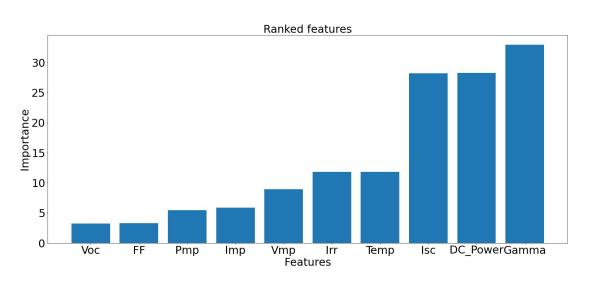


Feature Analysis for PV Fault Detection Neural Network Using Linear PCA and Random Forest

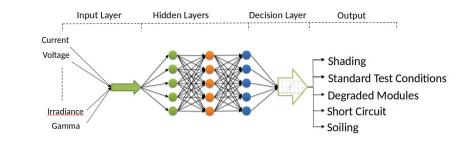
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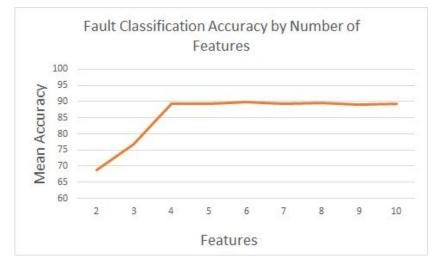
- Training a neural network model to automatically detect and classify solar array faults based on patterns in their sensor data.
 - (soiled, degraded, shading etc)
- Sensors provide 10 data features to the neural network
- Objective: Use dimensionality reduction techniques to identify the most important features for training the system.















IRES SenSIP center https://sensip.engineering.asu.edu/nsf-ires-project/



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