

Supervised Learning Report - Decision Tree Classifier

This page summarizes the performance of the Decision Tree Classifier. It shows the accuracy on the test set and a detailed classification report including precision, recall, and F1-score for each node prediction class.

Test Accuracy: 0.6842

Validation Accuracy: 0.6667

Classification Report:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	1
4	0.00	0.00	0.00	1
5	1.00	1.00	1.00	1
6	0.00	0.00	0.00	1
10	1.00	1.00	1.00	1
13	0.00	0.00	0.00	1
15	1.00	1.00	1.00	3
19	0.00	0.00	0.00	1
27	1.00	1.00	1.00	2
30	0.00	0.00	0.00	0
34	1.00	1.00	1.00	3
35	0.00	0.00	0.00	1
36	1.00	1.00	1.00	3
accuracy			0.68	19
macro avg	0.46	0.46	0.46	19
weighted avg	0.68	0.68	0.68	19

Supervised Learning Report - Random Forest Classifier

This page summarizes the performance of the Random Forest Classifier. It shows the accuracy on the test set and a detailed classification report including precision, recall, and F1-score for each node prediction class.

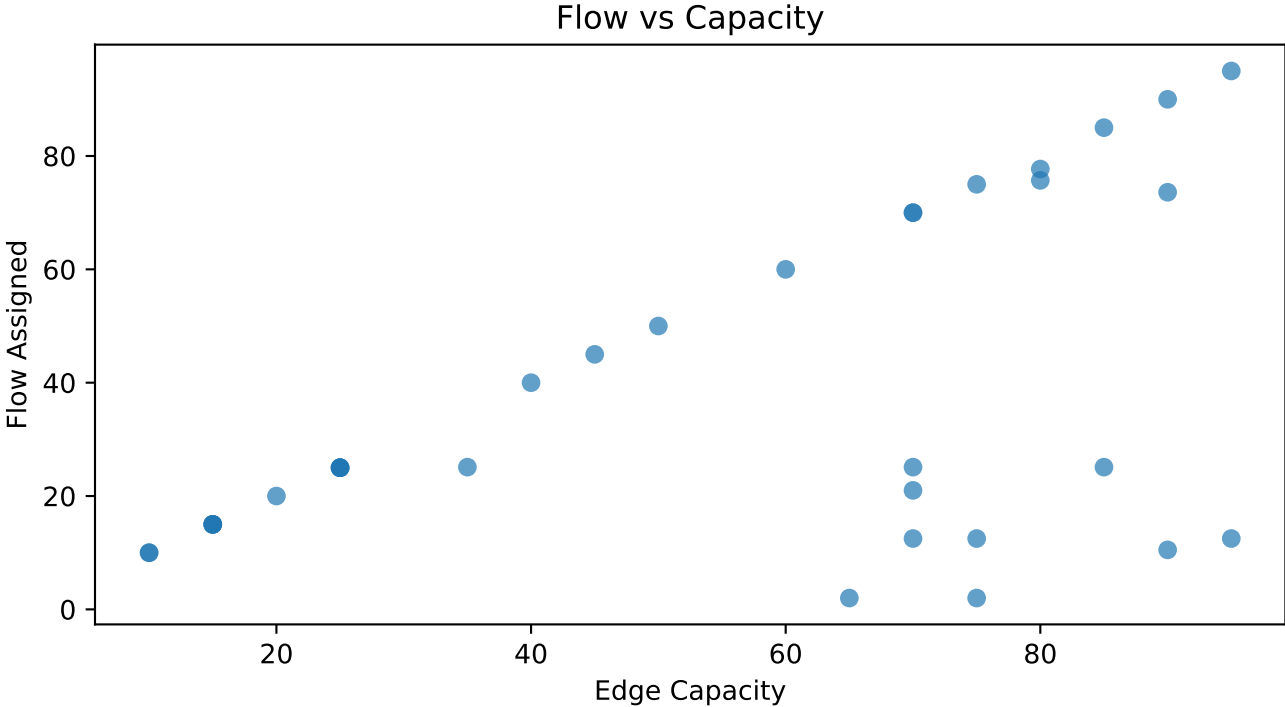
Test Accuracy: 0.8421

Validation Accuracy: 0.6667

Classification Report:

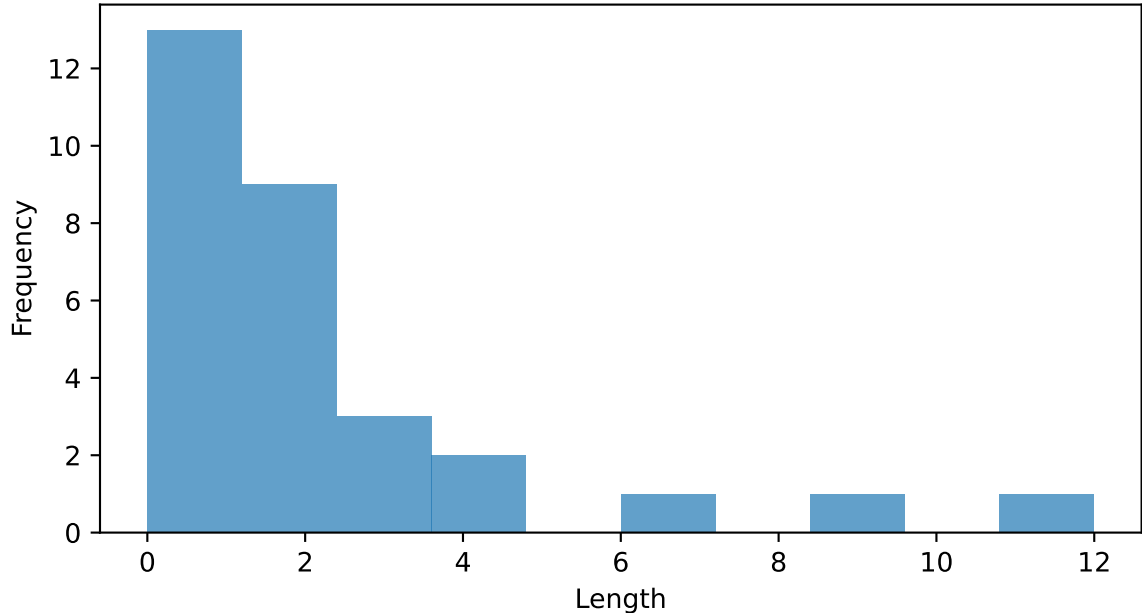
	precision	recall	f1-score	support
0	1.00	1.00	1.00	1
4	0.00	0.00	0.00	1
5	1.00	1.00	1.00	1
6	1.00	1.00	1.00	1
10	0.50	1.00	0.67	1
13	0.50	1.00	0.67	1
15	1.00	1.00	1.00	3
19	0.00	0.00	0.00	1
27	1.00	1.00	1.00	2
34	1.00	1.00	1.00	3
35	0.00	0.00	0.00	1
36	0.75	1.00	0.86	3
accuracy			0.84	19
macro avg	0.65	0.75	0.68	19
weighted avg	0.75	0.84	0.78	19

This scatter plot shows how much flow has been assigned to each edge versus its capacity. Points above the $y=x$ line (if added) indicate overused edges, which may violate capacity constraints.



This page contains statistics about the learned routing paths.
The first histogram shows the distribution of path lengths (number of hops).
The second shows the total transit time per path using edge weights.

Distribution of Path Lengths



Distribution of Transit Times

