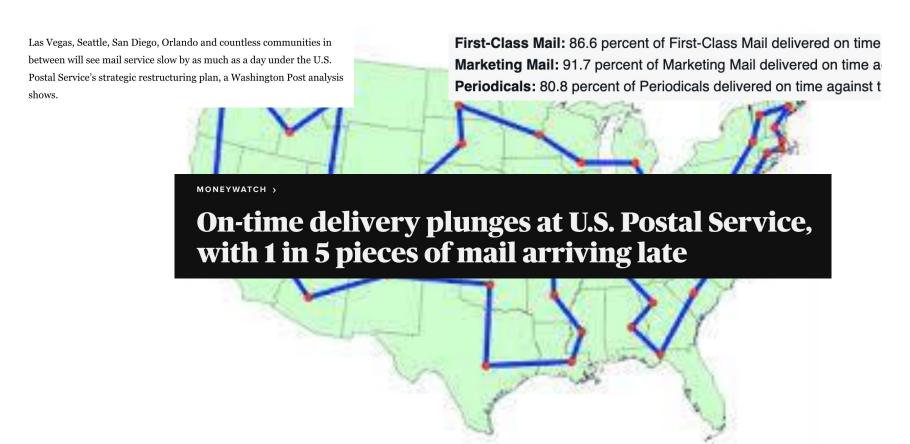
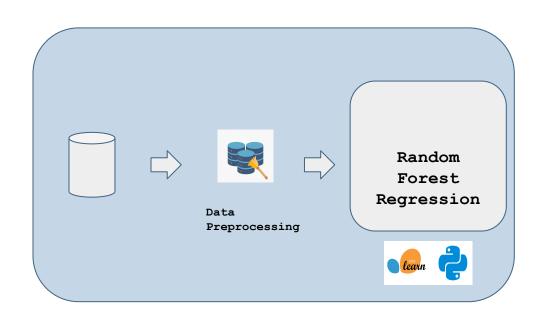
Don't Waste Data

The Traveling Mailpiece Problem



Putting Data to Work



So what's the context here?

 USPS network along with the scan data is notoriously messy

 We focussed specifically on high value scan signals generated by postcards in NDCs (the top hierarchical stop in a USPS network)



Seeing The Forest For the Trees

```
# baseline_preds = test_features[:, feature_list.index('avg_time_in_transit')]
# baseline_errors = abs(baseline_preds - test_target)
# print('Average baseline error: ', round(np.mean(baseline_errors), 2))
# Average baseline error: 1.43

4 errors = abs(predictions - test_target)
5 # Print out the mean absolute error (mae)
```

```
[3.97567568 2.71428571 4.34052198 ... 5.37173372 1. 3.72916667] Mean Absolute Error: 0.86 days.
```

print('Mean Absolute Error:', round(np.mean(errors), 2), ' days.')

