

# Operational KPIs

Total Failures  
**339**

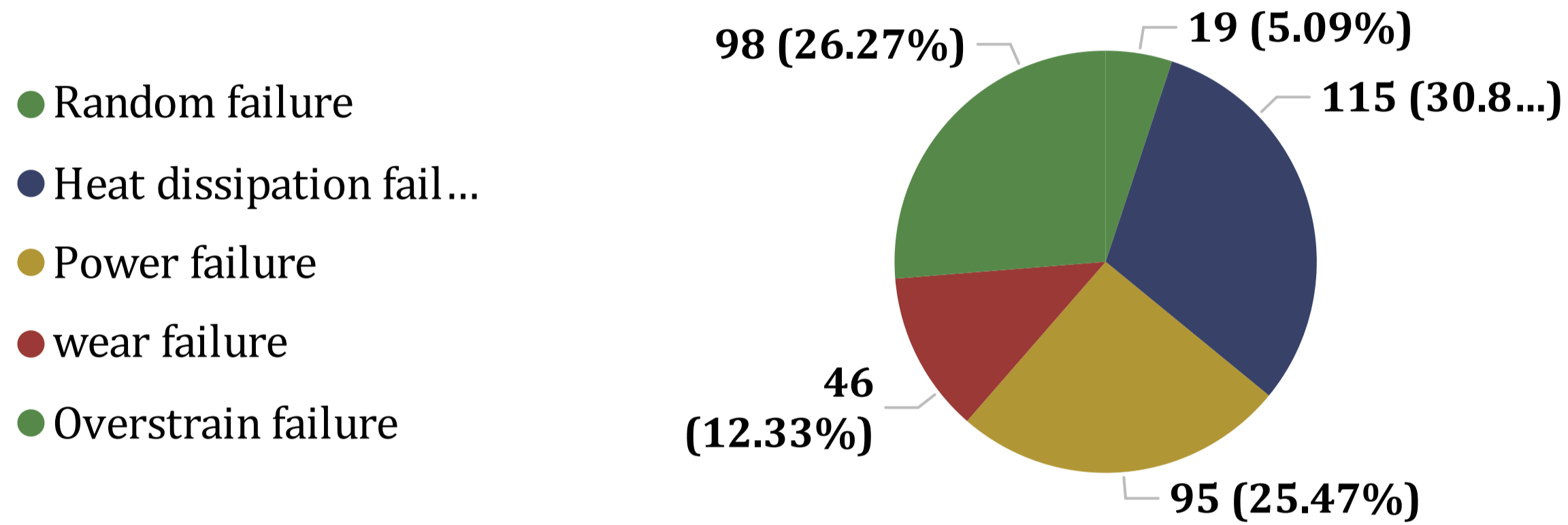
Failure Rate  
**3.39%**

Avg Torque  
**39.99**

Avg Temp.  
**310.01**

## Failure Analysis

Failure Mode Distribution



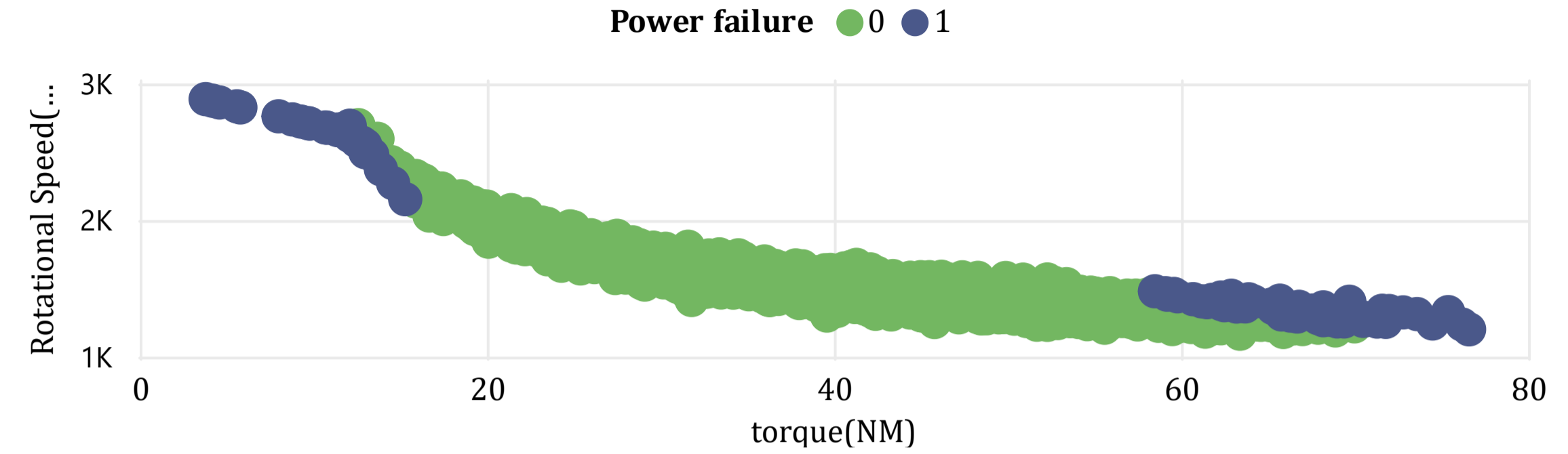
## AI Model Insights

Feature Importance from Random Forest Model

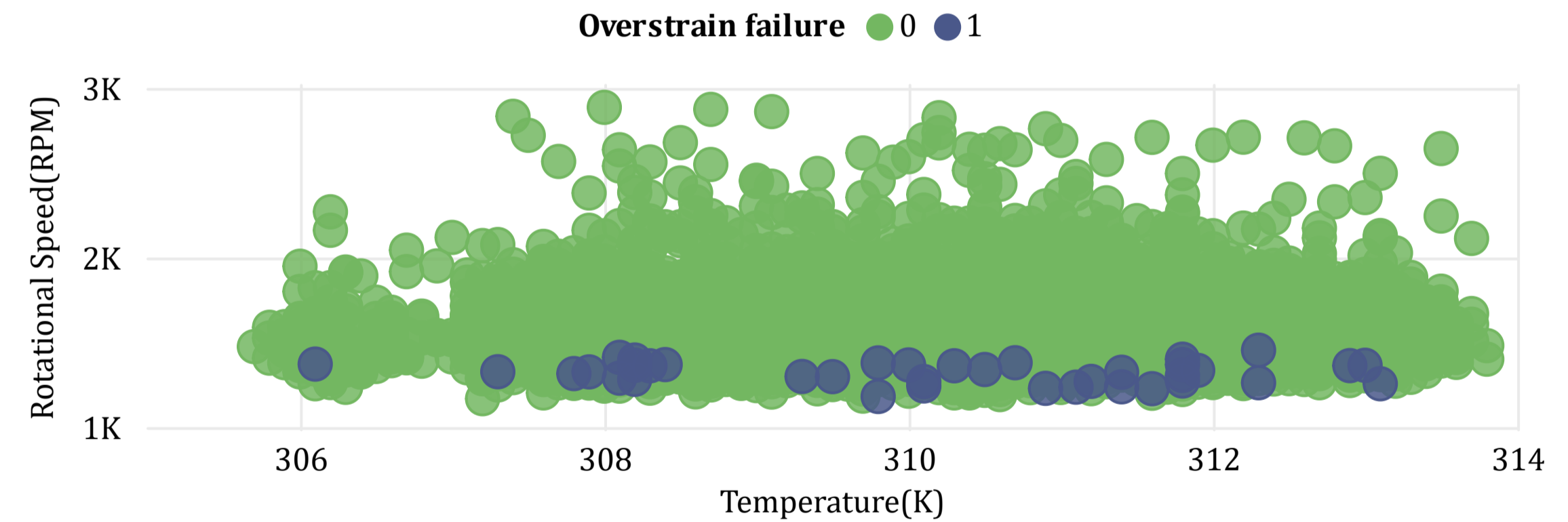


# Telemetry Analytics

Torque vs Rotational Speed by Power Failure



Temperature vs RPM — Overstrain Failure



## Confusion Matrix

Predicted 0 Predicted 1

|          | Predicted 0 | Predicted 1 |
|----------|-------------|-------------|
| Actual 1 | 12          | 49          |
| Actual 0 | 1936        | 3           |

Machine Type

- H
- L
- M