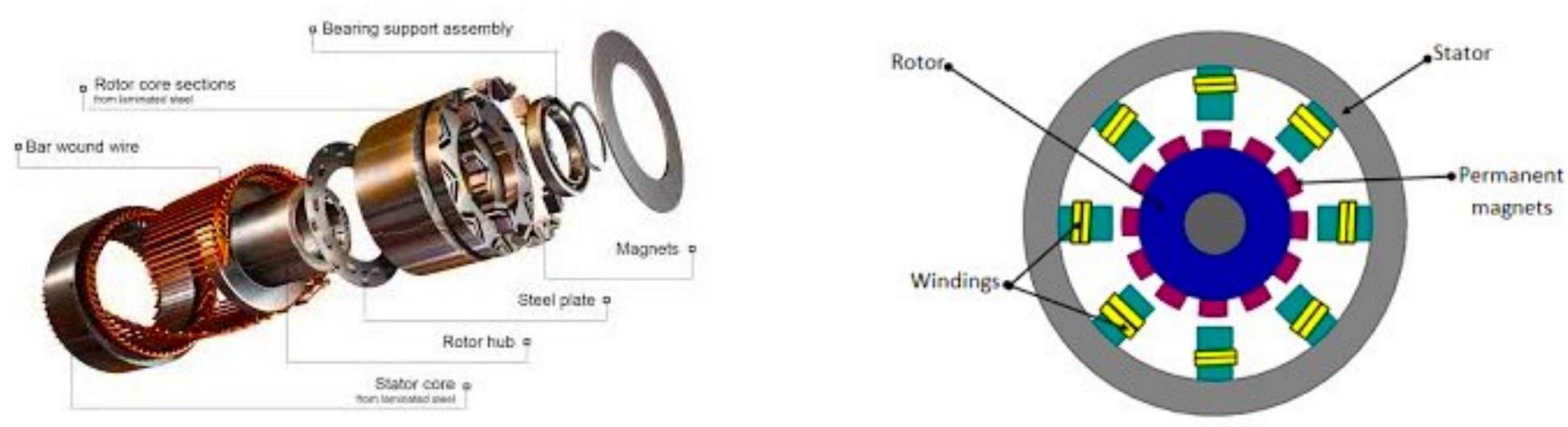
ELECTRIC MOTOR TEMPERATURE

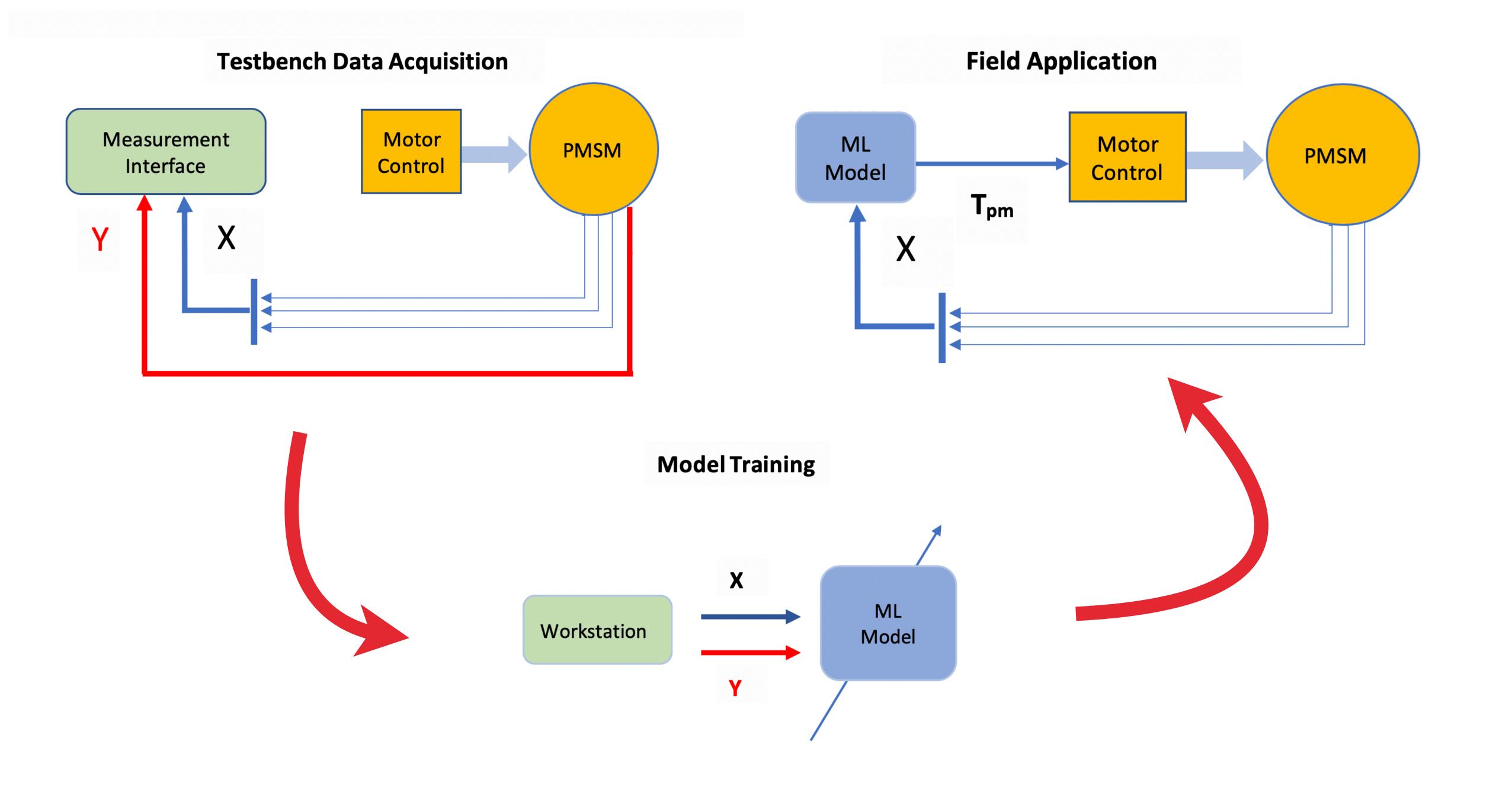


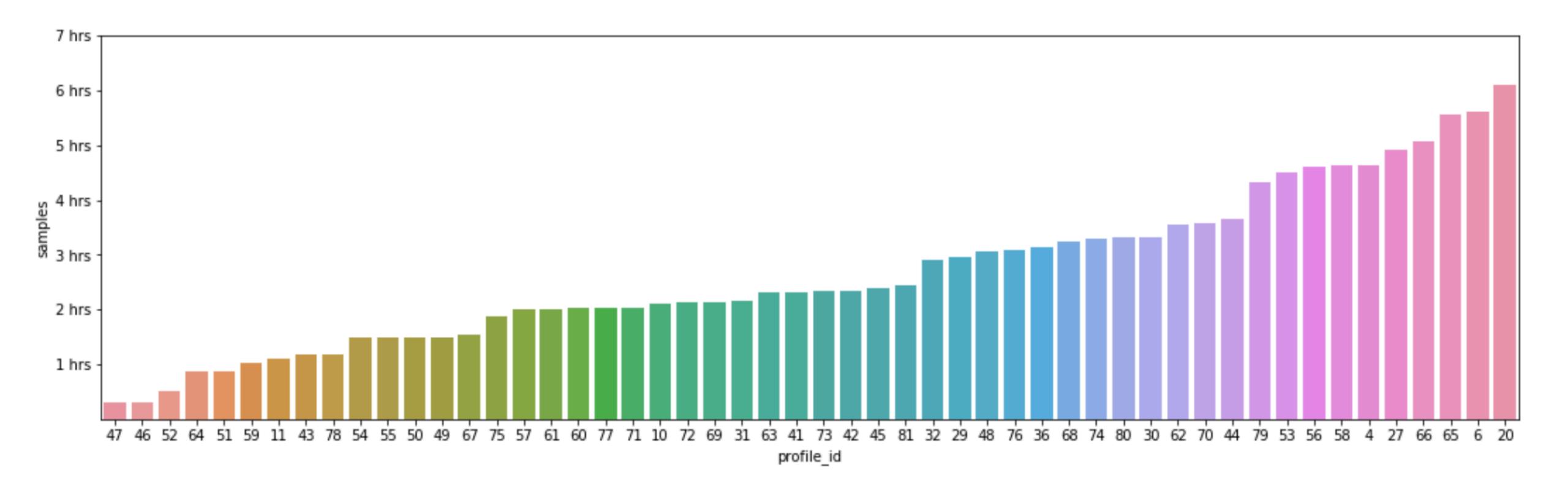
by Abigail Sixto

Permanent Magnet Synchronous Motor



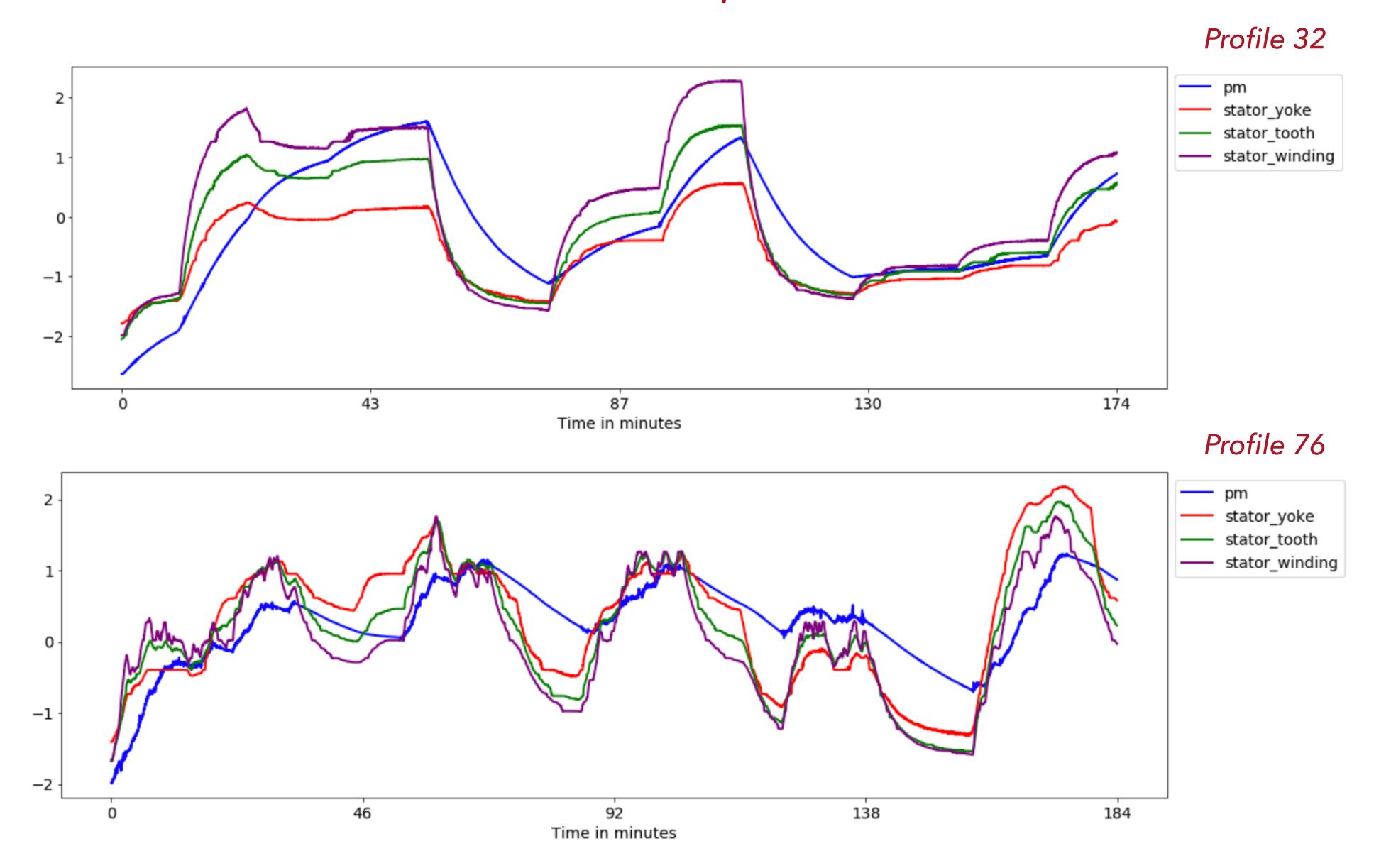
- ✓ Temperature is an important factor to control in motor components
- ✓ High temperatures can melt stator windings and demagnetise permanent magnets
- ✓ Complicated internal structure of the motor discourage sensors based monitoring



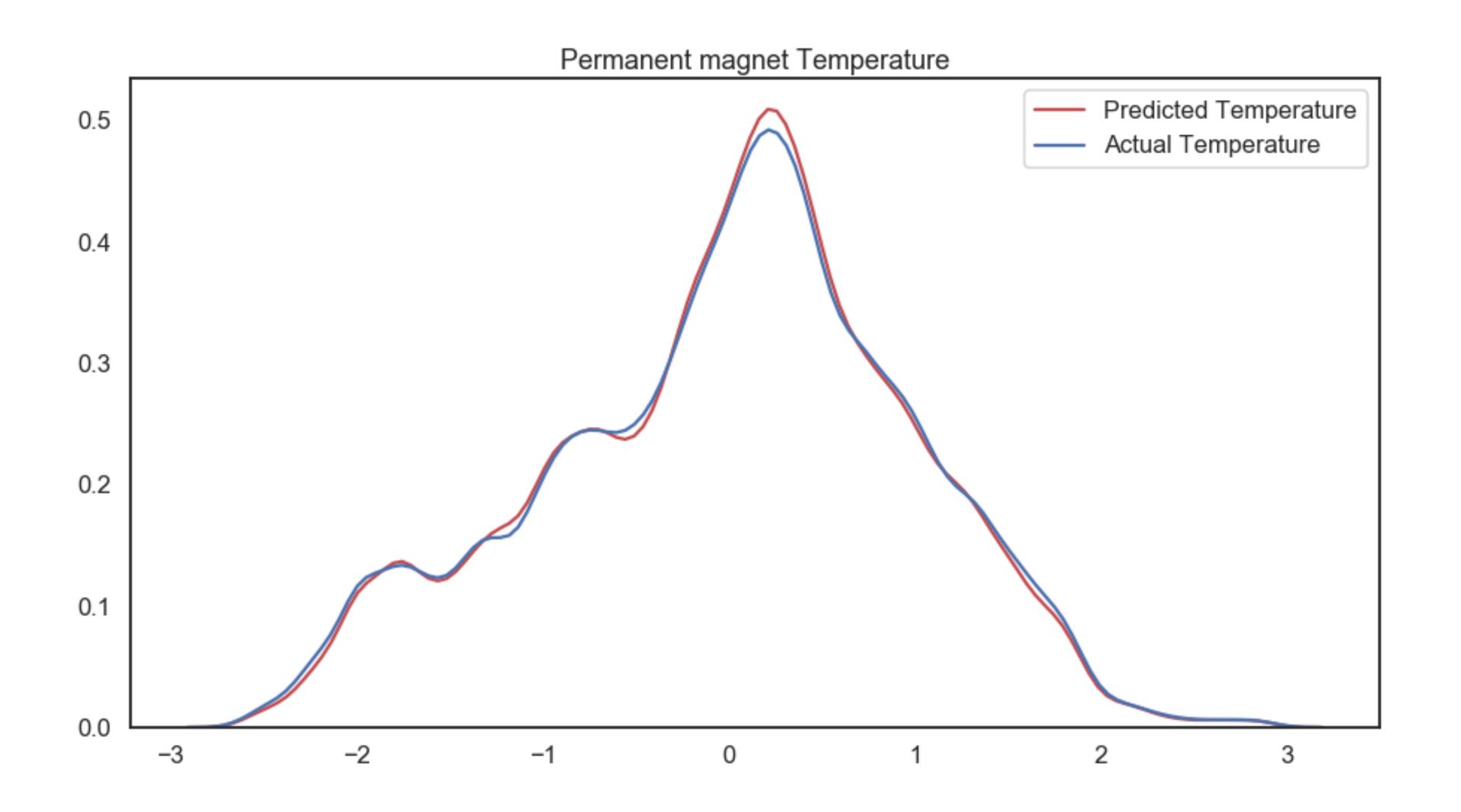


- √ Data is collected from sensors at each session twice per second
- **√** Some recording sessions last for more than 5 hours

Motor Temperatures



Final Model Results



Thank you!

Q & A