Numocity: NodeJS & Flutter

Volvo & Battery classification

Batt by lifetime
→ Project
→ Not sure about date
→ Business models
→ predictive maintenance

Inspect & pairs

B2B: Very expensive & unplanned

Annual maintainence contract
→ Buying warranty

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* Battery life: 2nd life
< 50% of battery can be
recycled
dont want underperming but

Stationary application: occasional

power cut

Energy Crisis: → Renewables
  → Traditional
  → Storage would've helped

Business case:
  2nd life applications

Annual maintainence.
  → earlier than necessary

  → Not sure if possible

Philips healthcare:
  → Prone to breakdown

  → X-raytube is critical

  Predictive maintainence.

→ Stochastic problem
→ Battery side of story          3 months
→ 30% & replace it.              engagement

→ Running & finding error.
→ Long time to validation.

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<div style="border:1px solid green; display:inline-block;">Exploration</div>

Multivariate correlations:
Explanation
Modelling

Chg — Charging
Drv — Driving (Discharging.
Repeated for both.

→ Test vehicle
→ Batch of data transferred.

Sender

SendTime not better than
Readout time.

Native reading ED
Parameter ED.

Battery Slot: Pack of cells

In battery slot take temp
& then average.

Buffer: ⋎ is earliest
& ⋃ is latest

Buffer + Reading ID + Battery Slot:
→ one row
one min & one max

But Chg CellVolt

Reading ID &

Charging at high temp damages
the battery.

Check the mapping between buffer
for chg & disv.

Parameter ID.

Some Space in data
Manual readouts.

→ Mobile phone ⎱ See video !)
→ Charging ⎰ ¨