Summary of this week

- Congratulations for completing the honors section of the "Battery State of Charge Estimation" course!
- This past week, you learned
  - How to compensate for current-sensor bias
  - How to reduce computational complexity using the bar-delta method
  - How desktop validation is part of an overall validation portfolio
- You also saw some bar-delta simulation results

Where from here?

- Course 4 "Battery State of Health (SOH) Estimation" introduces
  - How do battery cells degrade?
  - The difficulty of estimating capacity loss, and problems with "standard" ordinary least-squares regression to do so
  - An improved method using total least-squares and some approximations
  - How to extend nonlinear Kalman filtering theory to estimate time-varying model parameters as well as model state

Credits

Credits for photos in this lesson

- "Compass" on slide 2: Pixabay license (`https://pixabay.com/en/service/license/`), cropped from `https://pixabay.com/en/compass-navigation-map-direction-390054/`