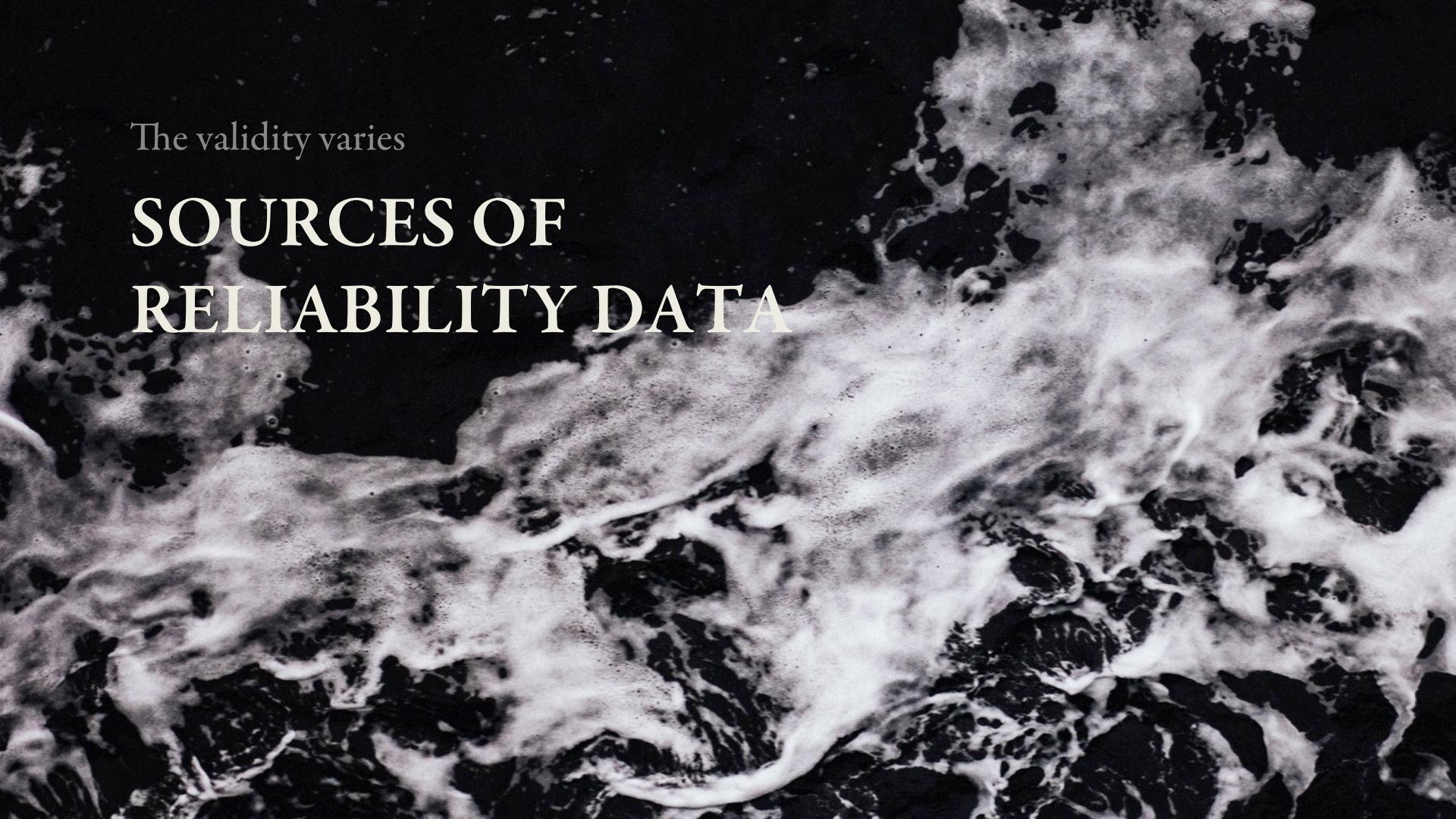




ASQ CRE Prep course

Lesson IV. A. 1.

Sources and Uses
of Reliability Data



The validity varies

SOURCES OF RELIABILITY DATA

Sources and Accuracy

Outright Guess

Engineering Judgment

Parts Count Prediction Tables

Vendor Data

Physics of Failure Modeling

Life Testing

Field Data

Field Data

Warranty returns

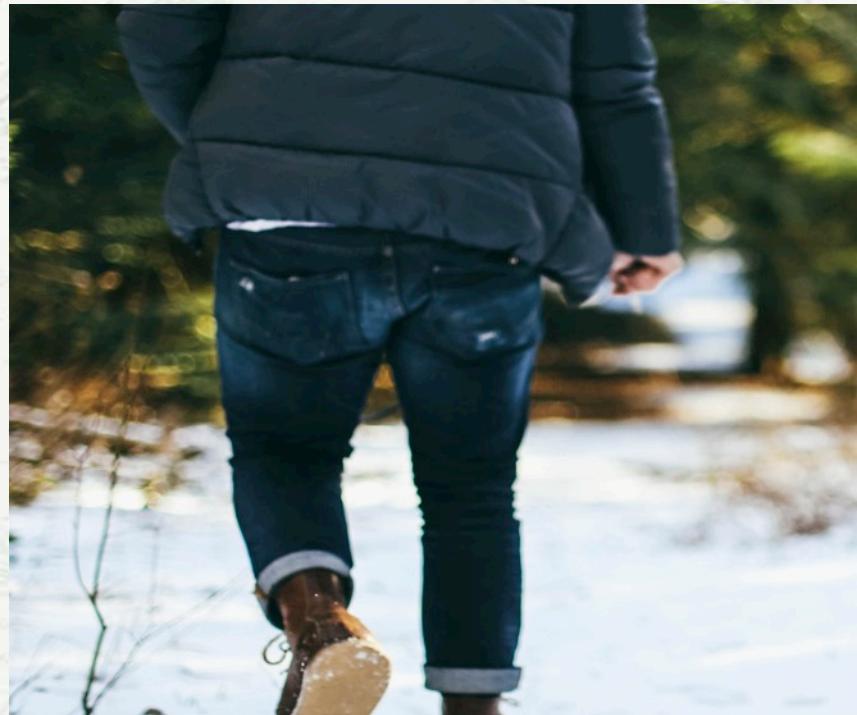
Repair details

Complaints

Spare usage

Field Representatives

Distributors/dealers



Industry Data

Industry specific
Not common

Sharing discouraged

- **Liability**
- **Trade secrets**
- **Marketing**



Public Data

GIDEP

Government Agencies



How good is the
data you have
available?



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Lesson IV. A. 2. a.

Reliability Block Diagrams
and Models – Series Systems