



„Pauca sed matura“



30 Minutes about 25 years of a mathematician/statistician (not especially good one) in the automotive industry, not in design or research, but in production and quality.

About 5 possible errors one can do in statistical analysis within the task to mine the information from the data (Walther Kraemer 1985):

1. Incorrect question, one would like to get answered with the data analysis
2. Incorrect data collection for data analysis
3. Incorrect data analysis method chosen
4. Incorrect computation
5. Incorrect interpretation

We try together to find answers to the following questions, using real examples from these 25 years of experience:

- Which of these errors are the most frequent? (We need not ask: “Is it still possible to meet all such errors in the industry at all?” The answer hereto is yes.)
- Why is it so?
- Do we have any chance to improve this situation?

Sources:

- Real life
- Walther Kraemer: Wie luegt man mit der Statistik
- Daniel Kahneman: Schnelles Denken, langsames Denken