

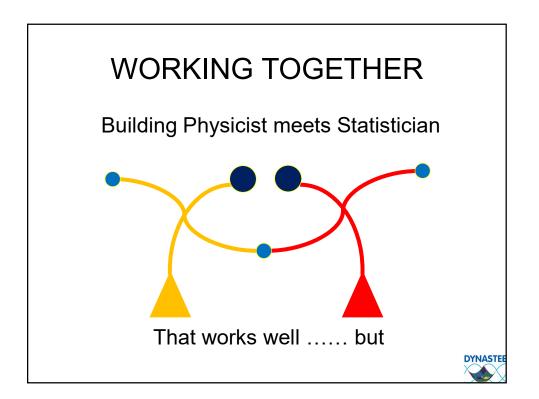
TWO PERSPECTIVES (2)

Building Physicist and **Statistician** Notable characteristics:

- · Model should fit the data
- Seeks mathematical parameters

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- · Residual should be white noise
- Focus on High frequency
- Dynamic
- 7.089 °C

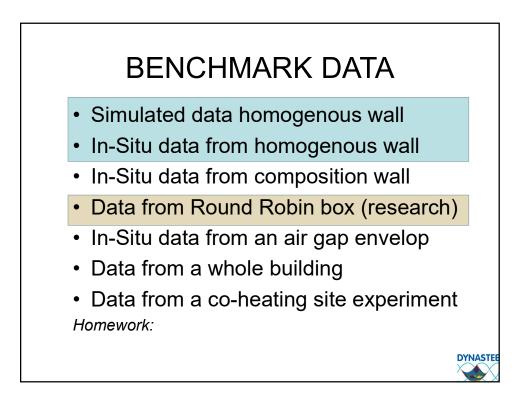


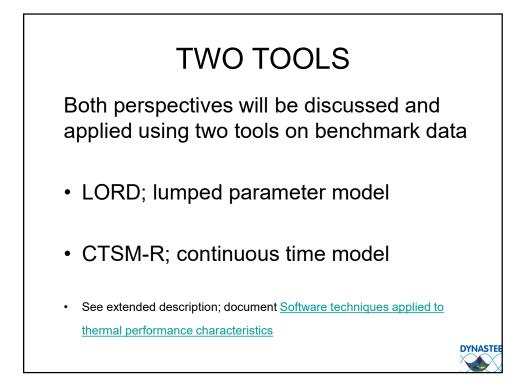


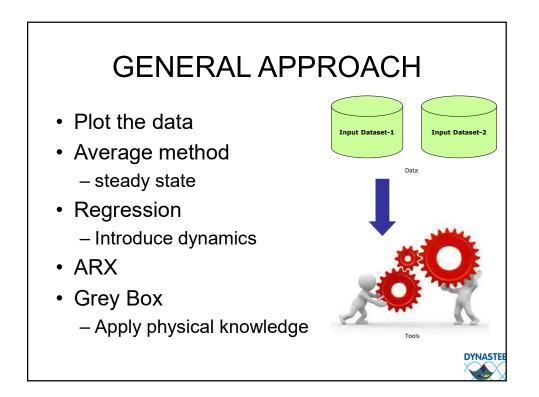
The Measurement Gap

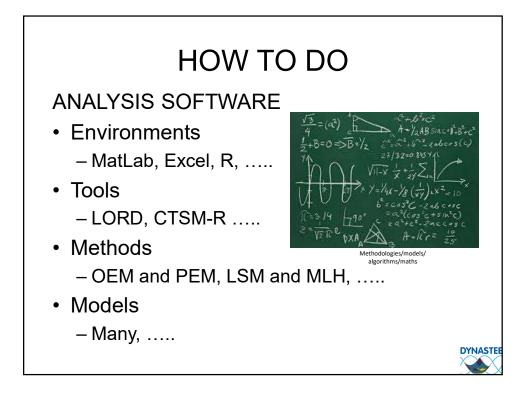
It may be that the way that we measure things is incorrect, and not comparable other peoples studies/or the values that are used in models (which are often the results of experiments).

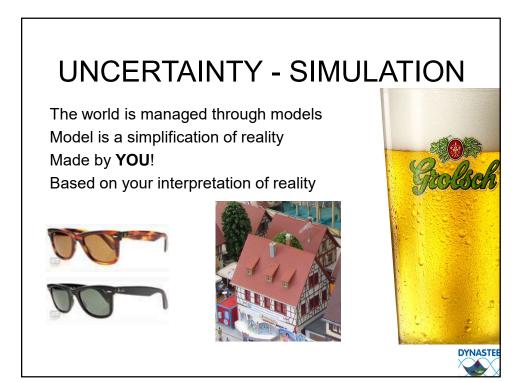
One of the simplest and most common value is the U value (the thermal efficiency of an element, the higher the value the quicker heat will pass thorough it)

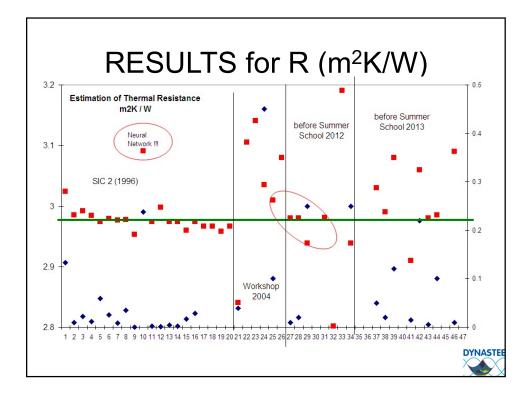














Future; 2023 and beyond

We will be using the forthcoming year to work on new topics for the summer school as follows:

- Continuation organizing physical Training Schools
- Use of online data platforms such as weather API, renewable energy data
- · Use of on-board systems such as connected thermostats
- Use of smart metering data for energy input

Most countries now have access to at least most of these data, and some, all of it.

- The work and findings of IEA Annex 71 which focus on the data mentioned above to deem the energy performance of a dwelling. <u>https://dynastee.info/new-iea-ebc-annex-71-building-energy-</u> performance-assessment-based-on-in-situ-measurements/
- We will provide learning on not only the acquisition of these data using live API access to smart meter and controls, but the analytical tools to deem the building energy performance.

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