**HOW DO YOU KNOW?**

|  |  |
| --- | --- |
| Necessary | Sufficient |
| Consistent  Correlation | **Conclusive**  **Causality** |
| Error | **Uncertainty** |
| Definition | **Convention** |
| Construction  Conjecture | **Measurement**  **Hypothesis** |
| Observation | **Experiment** |
| Model  Deterministic  Data | **Simulation**  **Stochastic**  **Facta** |
| Proof  Verification | **Evidence**  **Validation** |

**How humans learn:**

**Expectation, Observation, Reflection!**