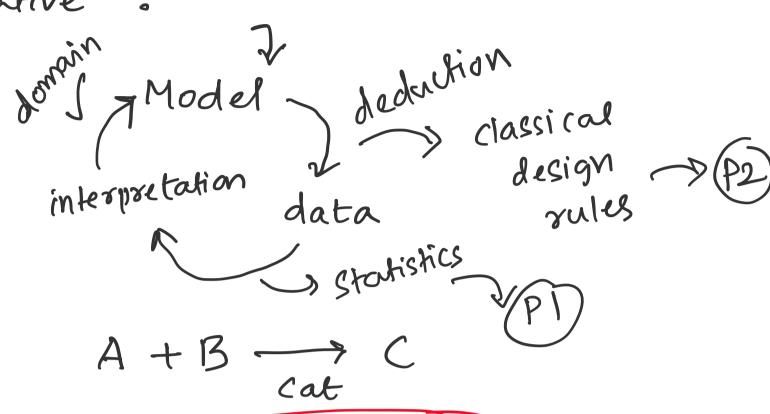
## Introduction to DOE

- generating, testing, accelerating new ideas
- iterative :



Model:

4(c) 790%

deduction: Temperature? -> Mat prop xxn possible

-> constaints that are physical

T = 600°C

data: colons less, odons less sample 25% of c

intrepration: - yield is very low

- expertise/literature on the catalyst

data -> intrepration is done on number

Statistical tools

complexity experimental correlation
vs Causation

- mutiple variables

that influence output - "known error"

we measure - Stochastical
models

- interaction ebbects
- Ronal A Fisher, classic DOE

  (Student' (t-distrubution)