



How statisticians can use the Growth Mindset Framework for stronger FSP success in pharma

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mmsholdings.com

Hello!

- MSc in Medical Stats (Leicester) and PhD in Genetic Epidemiology (Sheffield)
- Previously Senior Statistical Consultant at University of Sheffield
- Worked in large pharma but in a very different role
- 3.5 years Senior Statistician at MMS (formerly Exploristics)
- FSP at large pharma since starting
- Mum to two boys and have worked part time for last 10+ years



Lost in an alien world

- Imposter syndrome
- Unsupported
- Out of your depth





What do I
BRING?

Where is the
SUPPORT?

Do I have
potential for
GROWTH?

A large, orange, multi-pointed starburst shape with a black outline, centered on the page. The words "GROWTH MINDSET" are written in white, bold, sans-serif capital letters across the center of the starburst.

GROWTH MINDSET



Regulatory



**Technical
Stats Skills**

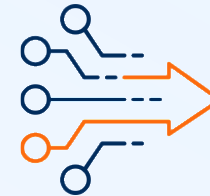
**Communication
Skills**



Flexibility



Leadership



Software



Teamwork



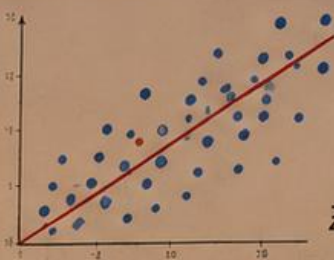
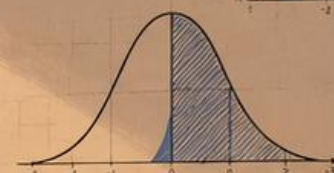

**Project
Management**

GOOD DATA
BETTER DECISIONS
GREATER IMPACT
★

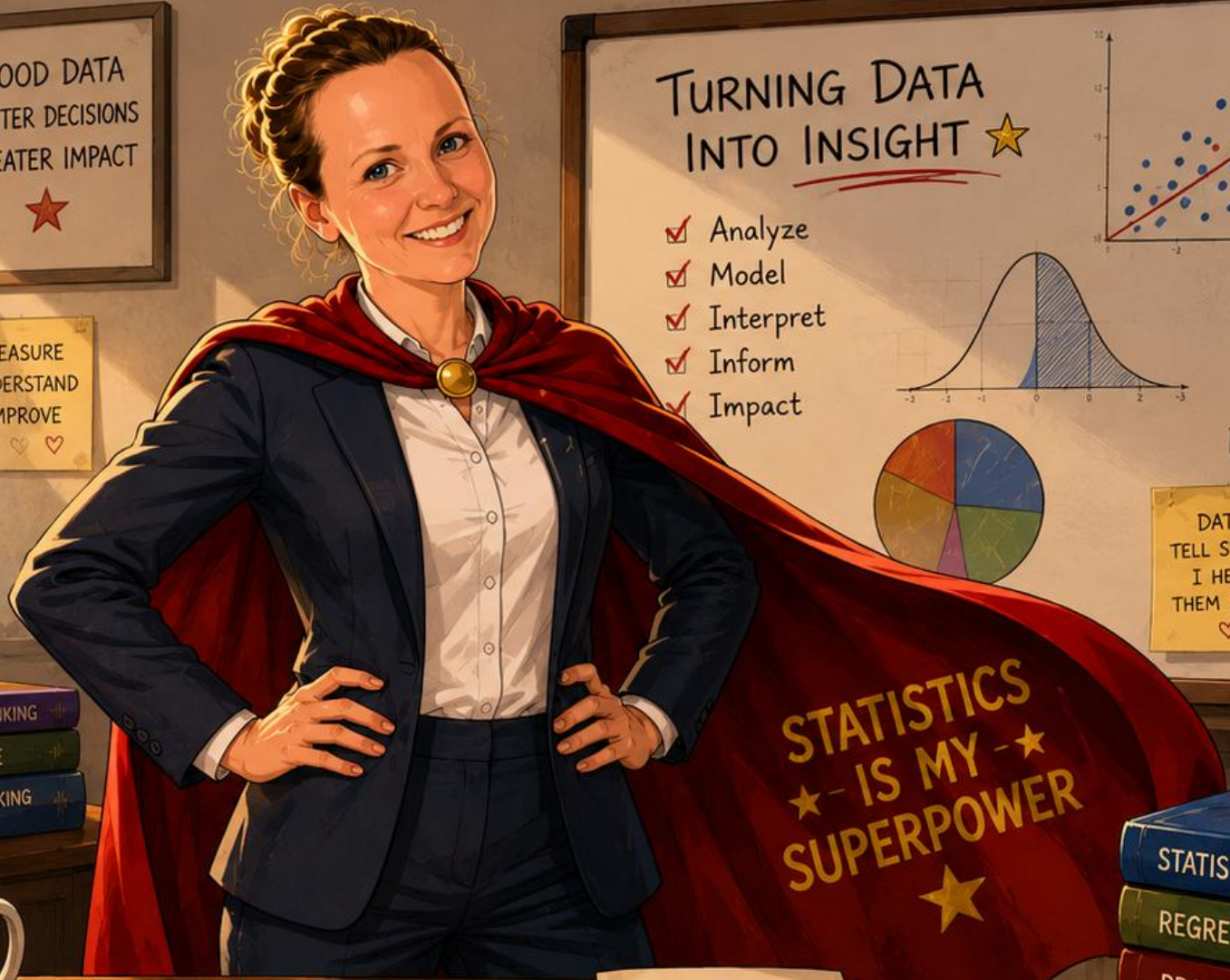
MEASURE
UNDERSTAND
IMPROVE
♡♡

TURNING DATA INTO INSIGHT ★

- ✓ Analyze
- ✓ Model
- ✓ Interpret
- ✓ Inform
- ✓ Impact


$$z = \frac{x - \mu}{\sigma}$$

$$y = \beta_0 + \beta_1 x + \epsilon$$

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)}$$

DATA TELL STORIES. I HELP THEM SPEAK. ♡♡



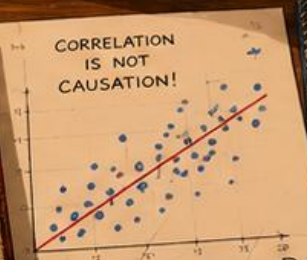
STATISTICIAN
PROBLEM SOLVER
PATTERN FINDER
TRUTH SEEKER ★

- STATISTICAL INFERENCE
- REGRESSION ANALYSIS
- PROBABILITY THEORY
- MULTIVARIATE METHODS
- TIME SERIES ANALYSIS



TODAY'S PLAN:

- ✓ Explore Data
- ✓ Test Ideas
- ✓ Challenge Assumptions
- ✓ Find the Signal
- ✓ Make an Impact ★



Curious
Analytical
Persistent
Detail-Oriented
Impactful
♡


CI ≠ 0
IT'S A RANGE OF AWESOME.

THE BEST INSIGHTS COME FROM ASKING BETTER QUESTIONS ★

$$P(X=k) = \binom{n}{k} p^k (1-p)^{n-k}$$



Growth Mindset Framework

- Belief in my ability
 - Learning both formally and self-taught
- 
- Hitting deadlines
 - Seeing drug projects move forward
 - Growing in skills and confidence
 - Development
 - Personal
 - Career

STATISTICS

STATISTICIAN



Thank you

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