What is the biggest contribution of statisticians?

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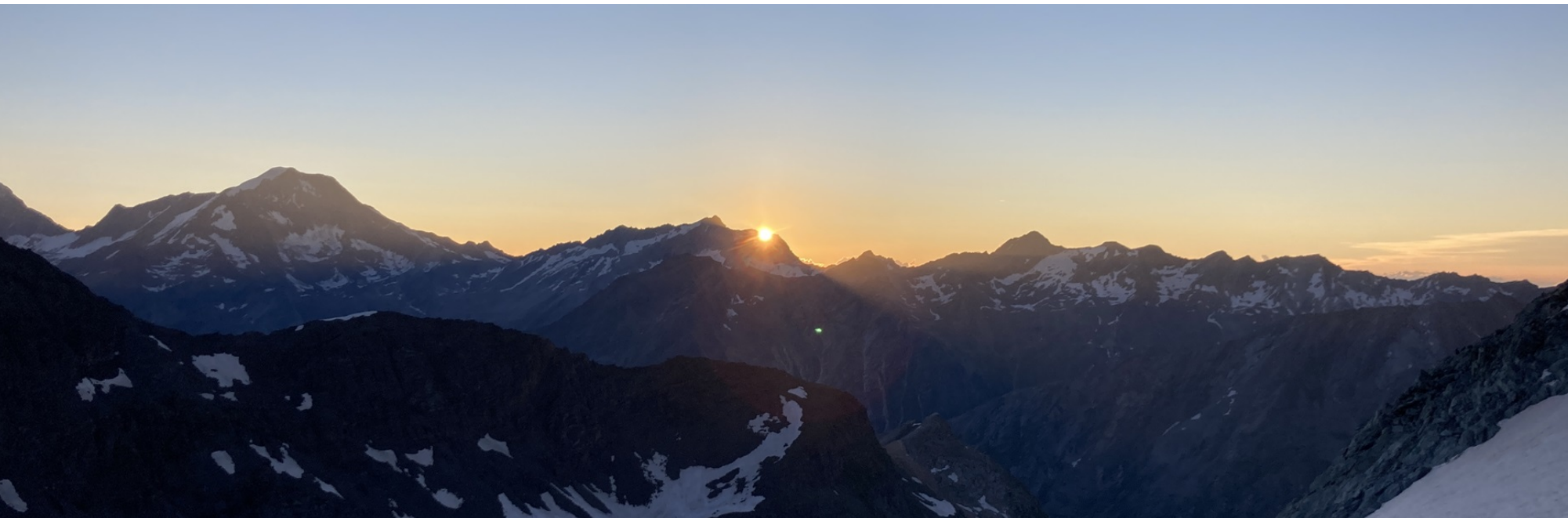

What is statistician's biggest contribution to drug development?

1) Help teams structure their questions and problems.

2) Independent advocate for rigor and objectivity.

Do not take these for granted.

Not everyone in drug development has these.

You may start as a statistician.

Aspire to become a drug developer.

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Curiosity alone might not get you there.

1. Define and rely on values.

Integrity.

It is not about what FDA (or commercial!) wants.

It is about what makes scientific sense.

2. Proactively share your knowledge.

Fit-for-the-audience!

Constantly improve communication skills.

3. Be conscious about overly critical statistician mindset.

1. **Define and rely on values.**

2. **Proactively share your knowledge.**

3. **Be conscious about overly critical statistician mindset.**

Thank you for your attention.

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Backup

What values does a statistician need to successfully do that?

- Integrity
- Modesty
- Curiosity
- Collaboration
- Independence
- Experience
- Patience
- Ambition

Side note:

Which of these can AI provide?

R version and packages used to generate these slides:

R version: R version 4.3.2 (2023-10-31 ucrt)

Base packages: stats / graphics / grDevices / utils / datasets / methods / base

Other packages:

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