

ARTIFICIAL INTELLIGENCE UPDATES, APPLICATIONS AND REGULATORY INSIGHTS

AI & ML SIG – Sam Hadlington,
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Cossio

INTRODUCTION TO AI & ML SIG

SIG MEMBERS

- Chris Harbron – Roche
- Danila Azzolina - University of Ferrara
- Emmanuel Pham – Nova In Silico
- Fabio Rigat – Astra Zeneca
- Joshua Havumaki – GSK
- Karl Koechert – Sanofi
- Niles Ternes – Sanofi
- Paola Berchialla – University of Turin
- Sam Hadlington – Plus Project
- Sara Serahati – Icon
- Tommaso Panni – Lilly
- Wei Quan – Astra Zeneca





GOALS

- Aligning machine learning groups across SIGs
- In context of clinical research how and where are AI and ML useful –specifically related to statisticians
 - Where are they not useful
- Longer term goals:
 - Wonderful Wednesday style regular webinars
 - Technical group to develop tools in R
 - Develop common framework for explainable AI in statistics



REGULATOR ENGAGEMENT

- Facilitated sending comments on AI guidance to FDA with contributions from Data Science SIG.
- Will continue to facilitate this in the future and will increase contributions ourselves and try to further engage other SIGs to contribute where appropriate.
- Will consider pro-active engagement with regulatory agencies if we identify issues in present guidance.

AI CONSIDERATIONS FOR THE FUTURE

- How can we learn to integrate this technology with our day to day work to stay ahead.
- Is AI a threat for job security?
 - How much of our current work will be done by AI systems? Coding? SAP/Protocol writing? Email correspondence?
 - What can AI not do? Can we identify these areas and become more competent in them to reduce the job risk?
- There is a lot more data out there than ever before and therefore more analysis to be done. 80% of people were farmers before industrial revolution, if this is as disruptive, we will have to adapt too.

GETTING INVOLVED

- Please join us for our SIG at the BAR slot this lunchtime
- Find me on the conference app and reach out
- Email me at sam.Hadlington@plus-project.co.uk