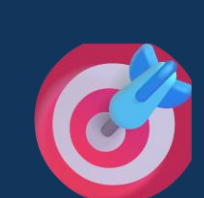




Shaping the future of AI/ML in pharmacometrics through collaboration, education and best practices

Elba Raimúndez^{1*}, Ana Victoria Ponce-Bobadilla^{2*}, Sven Stodtman^{3*} and Jane Knöchel^{4*}

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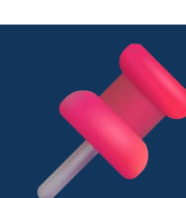
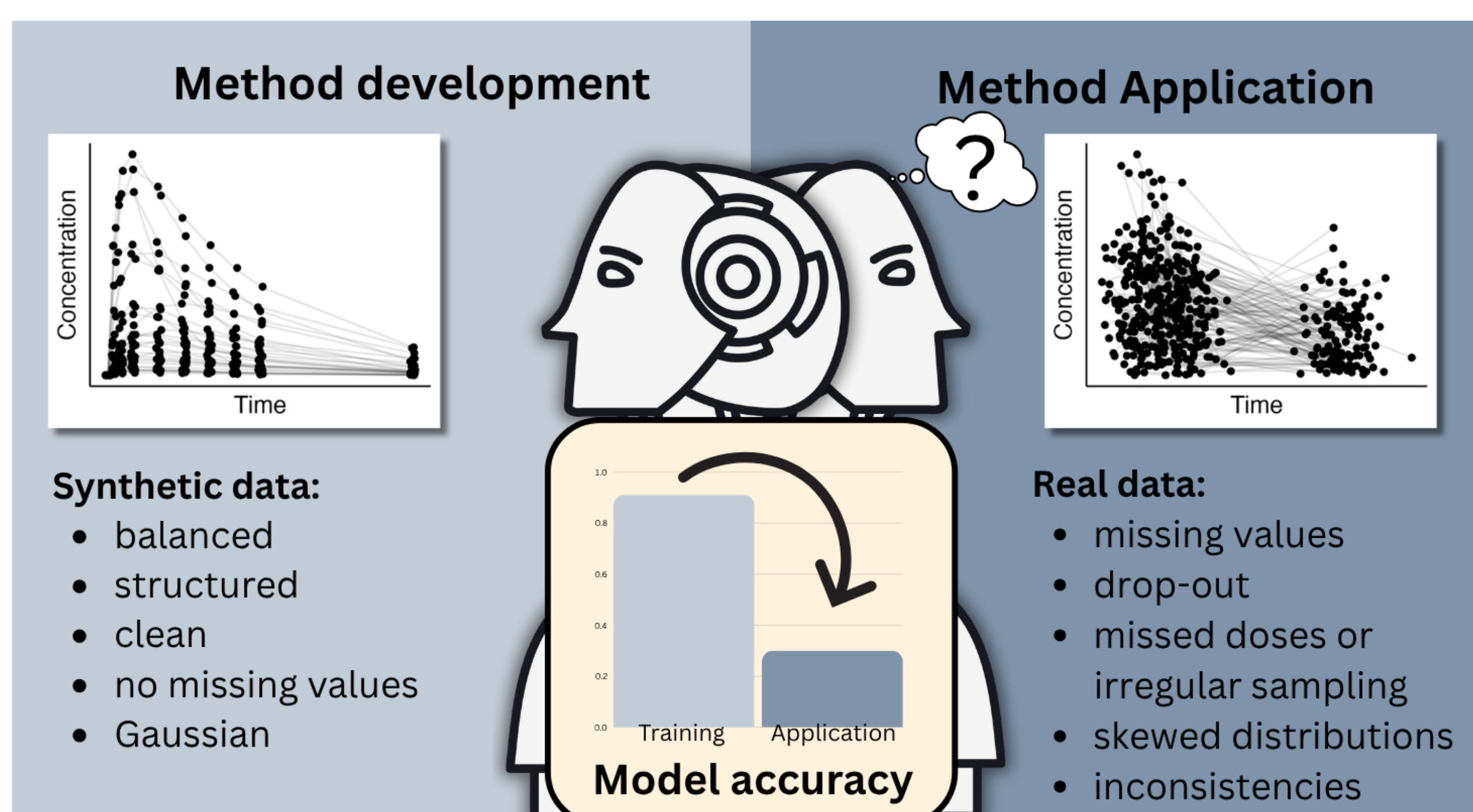
CURRENT CHALLENGES

- Rapid AI/ML uptake in pharmacometrics
- Need for regulatory alignment
- Lack of standardized evaluation practices
- Critical gaps in reproducibility
- No universal benchmarking

ROADMAP

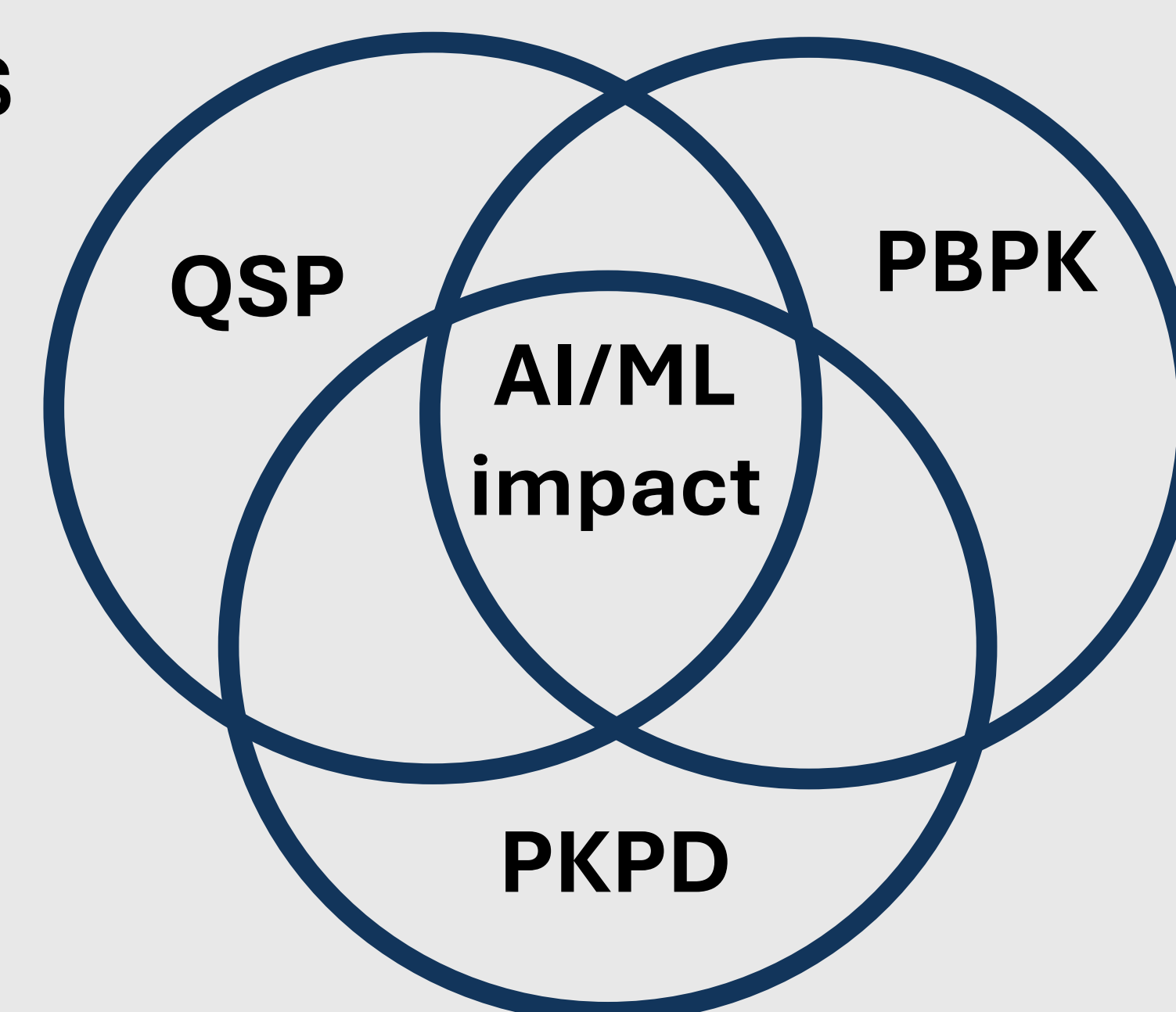


Perspective published in CPT:PSP, 2025



OUR OBJECTIVES

- ✓ Enable and promote responsible and rigorous AI/ML methodologies in pharmacometrics
- ✓ Create and maintain benchmarking datasets
- ✓ Establish and disseminate best practices
- ✓ Foster multidisciplinary community
- ✓ Support education and outreach across the community



Core Workstreams

Technical Innovation
& Best Practices

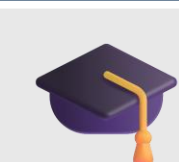
Education, Outreach, Publications

Ethical AI & Regulatory Readiness

Working Groups

- **Benchmark datasets**
lead: Sven Stodtman
- **Agentic Workflows**
leads: Ari Pritchard-Bell and Peter Bloomingdale

INTERESTED IN JOINING?



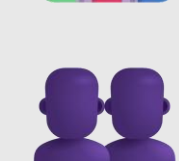
Learn: Stay updated on AI/ML developments



Contribute: Join working groups



Share: Provide datasets



Lead: Shape best practices



AI ML
ARTIFICIAL INTELLIGENCE/MACHINE LEARNING

ISoP
SPECIAL INTEREST GROUP