

## **GSBPM and GSIM for modelling machine learning development process**

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### **Abstract**

Machine Learning (ML) holds great potential for statistical organisations. It can make the production of statistics more efficient by automating certain processes and allow statistical organisations to use new types of data such as social media data and imagery. While there is growing evidence how ML can increase quality of statistics, integrating ML into production has often turned out to be very difficult and time-consuming due to cultural, organisational and technical challenges. This work aims to test GSBPM and GSIM, standards widely known in statistical organisations, to model the ML development processes. This will help standardise the development of ML in languages that are commonly used in statistical organisations for modelling various processes, as well as help test feasibility and identify any challenges in using the ModernStats models for ML.