

Analysis on Hurdles in Productised Analytics

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INTRO:

- **Productised Analytics** is the emergent data science service offering that leverages the OHDSI toolset to provide rapid insights and features from OMOP CDM sources. As a novel approach compared to queries on source data, recent experience has revealed challenges in communicating and implementing Productised Analytics

METHODS

1. Productised Analytics prioritizes speed of delivery and robust reproducibility
2. OHDSI tools are used to establish prototypes and cohorts
3. Outputs are tailored to each use case from a growing platform of templates and pipelines
4. As OHDSI tools develop, increasing complexity in productised analytics is enabled.
5. Inputs and Outputs become standardized to reduce the communication burden

RESULTS

Common Hurdles for productised analytics include stakeholder expectations, Project end goals and pitches.

Challenges include staying contemporary with community developments

Future More and more productised analytics methods are being applied

Productised analytics is the meeting point between traditional data science queries and feature extraction from OMOP CDM

Benefits of productised analytics.

- Ad-Hoc feature extraction
- Automated SQL generators
- Automated concept set generators
- Portable tools between studies and queries

Leveraging reproducibility to deliver **more analysis** to **more research** in **less time**

Building a system to accommodate variety in goals and requests in a scalable way

Modifying OHDSI tool output to serve novel goals and meet increasing complexity.

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