Dimensions Language

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# Introduction

See Redmine project wiki for business case.

# Tasks

## Implement the existing prototype into SAMWeb

Add new prototype methods to SAMWeb to implement the language in its current state for testing. No new datasets are actually created. People: Robert. Duration: 1 day. Start mid-May.

## Garner user feedback on prototype dimensions language

Getting a few users from the experiments (e.g. Andrew, Heidi, Laura) to try it out and test their queries. People: Robert. Duration: 2 weeks. Start beginning of June

## Design and Implement the “permanent” implementation (and test)

Write the methods that actually puts the dataset queries into the database. Determine how to integrate with the DB server. People: Robert & Marc. Duration: a month (see risk below). Start mid June but design can occur in parallel with above.

## Review of the dimensions language and implementation

Have a review to make sure the implementation is understandable, unlike the old one. People: Adam, Duration: a week. Start: end of June

## Deploy with SAMWeb and convert existing datasets to new format

Write semi-automated script to convert the few existing datasets to the new language. People: Robert. Duration: one week. Start mid-July

# Milestones

Dimension language designed to spec and verified by the experiments and reviewed by REX – by June 30

Dimension language implemented and deployed in SAMWeb. Old dimensions parser is depreciated – by July 31 or Aug 15

# Risks

## Integrating with existing DB server

The current DB server may be incompatible with the new language. Adds time to design and implementation (probably a month)

# Conclusions

When this is completed, we will have a dimensions language with a modern parser that will easily extendable and understandable. It will facilitate the new metadata system.