

**LSST Felis**

[Felis »](#)

**On this page**

- [Felis](#)
- [Introduction](#)
- [JSON-LD](#)
  - [IRIs and @context](#)
  - [@id](#)
  - [As YAML](#)
- [Tabular Data Models](#)

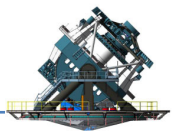
## Felis

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### Introduction

Felis is a way of describing database catalogs, scientific and otherwise, in a language and DBMS agnostic way. It's built on concepts from JSON-LD/RDF and CSVW, but intended to provide a comprehensive way to describe tabular data, using annotations on tables, columns, and schemas, to document scientifically useful metadata as well as implementation-specific metadata for database management systems, file formats, and application data models.

<https://felis.lsst.io/v/DM-14184/index.html>



- name: Object  
"@id": "#Object"  
description: The Object table contains ...  
columns:
  - name: objectId  
"@id": "#Object.objectId"  
datatype: long  
description: Unique id.  
mysql:datatype: BIGINT  
ivoa:ucd: [meta.id](#);src
  - name: parentObjectId  
"@id": "#Object.parentObjectId"  
datatype: long  
description: Id of the parent object this object ...  
mysql:datatype: BIGINT



# Proposal



- Declarative Yaml schema is the successor to `cat`
- Baseline version needs to be under DM change control.
- Result is automated verification of schema consistency & satisfaction of the DPDD, single source of truth for column metadata
- If there are other downstream users of the data model, we'd like to know now
- Todo:
  - Determine how to handle “useful but not strictly required” columns
  - Consider standardization “Complex Types” – e.g. col groups