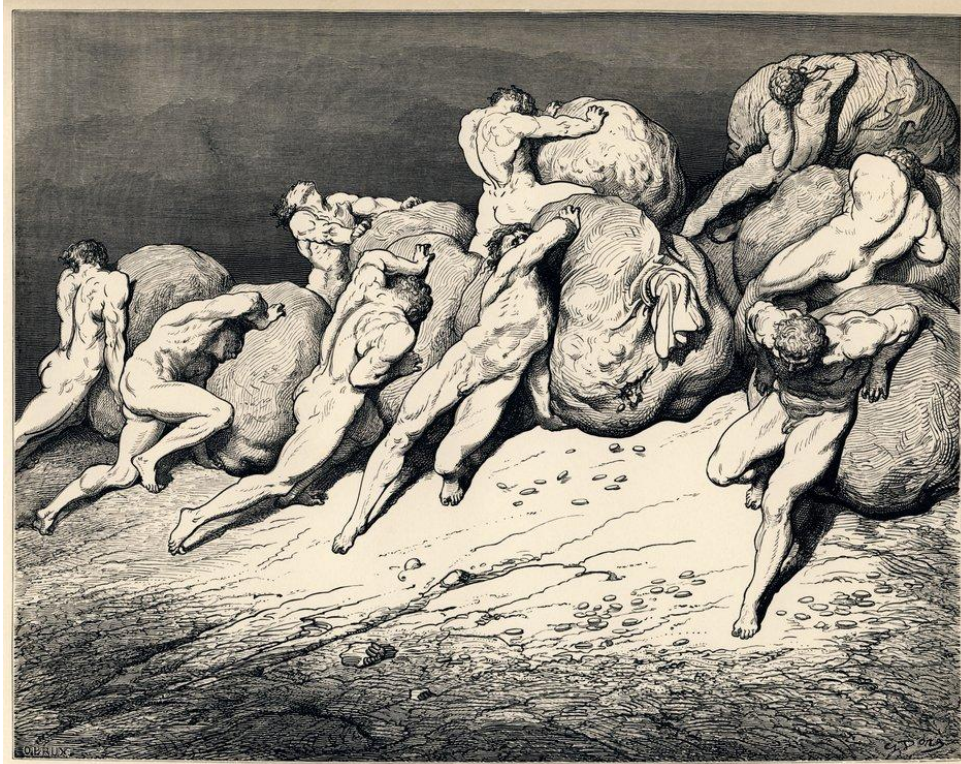


Straxferno

Circle 4: contexts, run selection, configuration



Today

Questions from last time

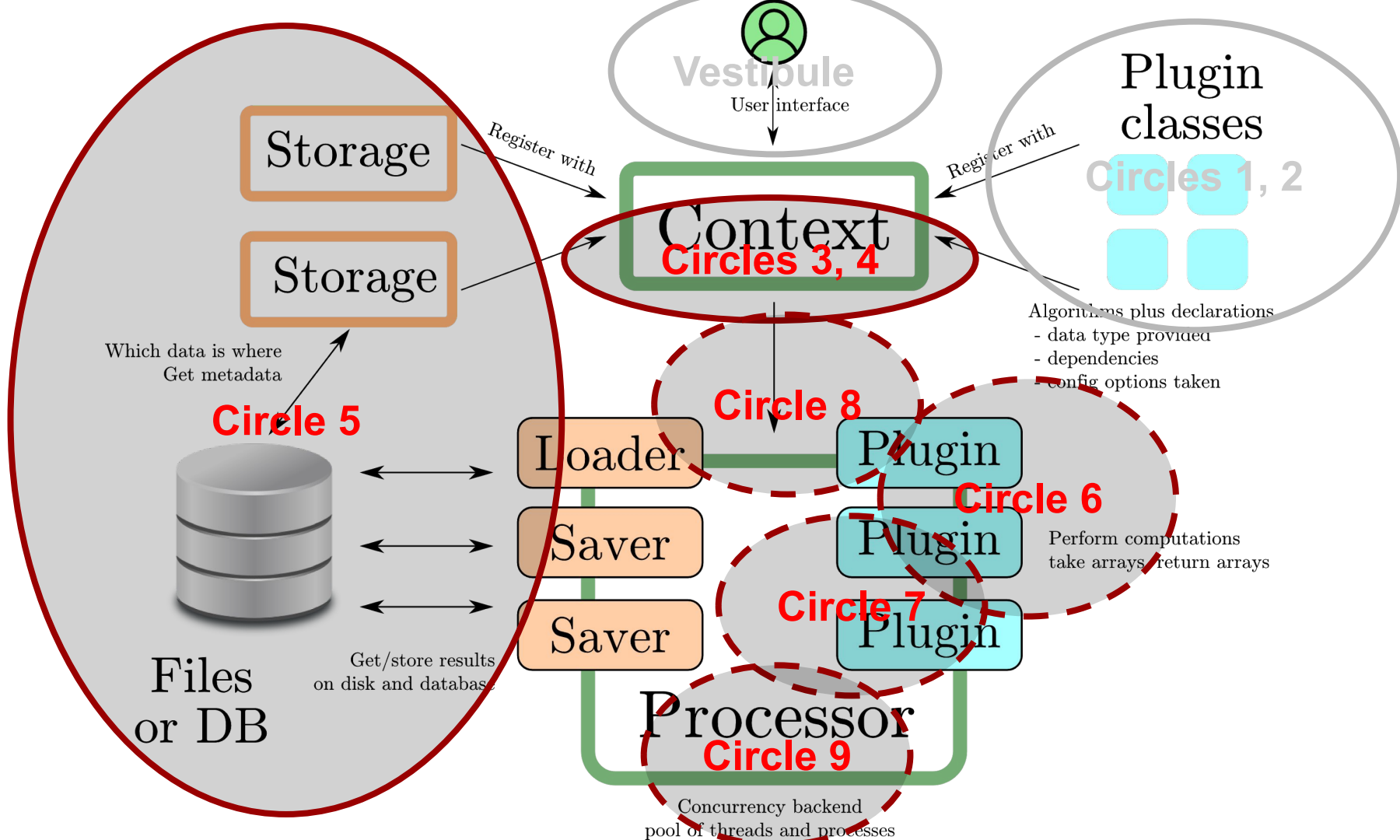
- Data loading
- Mini-analyses

Context overview

Questions / discussion

- Contexts
- Run selection
- Configuration

Preview of next week



Stored attributes / state

<code>.config</code>	Plugin configuration
<code>.context_config</code>	Context configuration
<code>.runs</code>	Cached runs info
<code>.storage</code>	Storage frontends
<code>._plugin_class_registry</code>	Registered plugins

Context changes

<code>.new_context</code>	... with different config etc.
<code>.set_config</code>	Modify plugin config
<code>.set_context_config</code>	Modify context config
<code>.register</code>	... new plugin
<code>.register_all</code>	... in a .py module

Main data

<code>.get_iter</code>	Iterate over data
<code>.make</code>	... silently
<code>.accumulate</code>	... and sum up things
<code>.get_array</code>	... and return numpy array
<code>.get_df</code>	... and return DataFrame
<code>.apply_selection</code>	, time, cuts, keep_columns

Metadata

<code>.run_metadata</code>	Run document
<code>.get_metadata</code>	Data-level metadata
<code>.estimate_run_start</code>	
<code>.size_mb</code>	
<code>.to_absolute_time_range</code>	

Storage probing

<code>.is_stored</code>	Do we have this data?
<code>.key_for</code>	Get DataKey for datatype
<code>.lineage</code>	Get lineage for datatype

Context probing

<code>.search_field</code>	Find data type by field
<code>.data_info</code>	List fields for data type
<code>.show_config</code>	For plugin or context

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