**PureInsights project QA validation.**

**DB connections setup.**

1. MySQL workbench setup - ~ 1 hour
2. Setup ODBC connections - ~ 1 hour

**Create new automation related directory (project/state related)**

1. Update all automation related files/links to make it project specific ~ 1 hour

**For tables/views exist in both schemas MySQL - Snowflake**

1. Load fresh metadata for each MySQL - Snowflake table/view - **automated**.

2. Compare Column's name/Datatypes for each correspondent tables MySQL (source) vs. Snowflake (target) - **automated.**

- build Columns/Datatypes exception lookup table – partially manual process based on previous action.

- validate mismatches against Datatypes exception table.

3. Validate metadata of columns exist in Snowflake only - **partially automated.**

4. Calculate and compare row counts for each correspondent tables MySQL (source) vs. Snowflake (target) - **automated.**

5. Create SQL statement for each table/view to retrieve single (unique) row - **Manual process usually takes around 4 - 5 hours.**

- Run correspondent queries and compare each column’s value on source (MySQL) against target (Snowflake) – **automated.**

**For tables/views exist only in - Snowflake**

1. Load fresh metadata for Snowflake views - **automated**.

2. Validate metadata of columns exist in Snowflake only - **partially automated. (Manual process takes around 3 hours).**

**Special validations**

1. User Story 3989 - Primary\_Presence Dynamic Duration – **Manual process (takes around 3 hours to validate)**
2. User Story 4877 - Update D\_DATE table for columns & records post-1980 (DAYOFQUARTER, DAYNAMELONG, WEEKOFQUARTER, MONTHLONG) – **automated.**
3. Task 4843 - Project Date columns – Testing. – Manual process to validate datetime values daylight savings conversion – **Manual process (takes around 3 hours to validate)**
4. Task 5135 - Add IngestionTime to Raw Tables - **automated.**
5. User Story 4844 - Validation of the new PI Data Dictionary - ??????