

Synthetic Data



Project Scope

A fully functioning data synthesis capability is available to PHUSE community on PODR. The **PODR** will integrate health-related Open Data across countries and agencies, within departments of each relevant agency. It will give users a single interface to search across all available datasets. This team aims to provide monthly on-line training to enable effective application of the technology to your problems.

Integration with Jupyter Hub	Easy to Use GUI Synthesizer
<p>The screenshot shows the Jupyter Hub interface. On the left, there's a sidebar with "jupyterhub" and a list of jobs under "Select items to perform actions on them". The main area shows a code cell with the following Python code:</p> <pre> In [0]: # Import the jupyterhub client (library not installed) import jupyterhub_client as jhc # Now we define the address for the connection to the server. This address defines where we send our jobs and datasets to be synthesized In [1]: # Create job job = jhc.Job(name="my_job", data=[{"url": "https://data.phuse.org/datasets/ontario-cohort-2020-01-01-2020-12-31.csv"}], script="script.py", status="running") # Submit the job job.submit() # Check the status of the job job.status() # Get the result of the job job.result() </pre>	<p>The flowchart illustrates the GUI Synthesizer process. It starts with a box labeled "Can Covid Data", followed by a diamond-shaped decision point "Ontario Cohort". This leads to a box "Script", then another diamond "Synthesis", and finally a box "Result". Below this, there are three parallel paths labeled "Trial A", "Trial B", and "Trial C", each starting with a box and a diamond labeled "Synthesis A", "Synthesis B", and "Synthesis C" respectively. These paths converge into a single diamond labeled "Synthesis" and end at a box labeled "Result".</p>
<p>CURRENT STATUS Q3/42021</p>	
<ul style="list-style-type: none"> • Conduct Industry Survey on Synthetic Data in Q1 2022 • Additional Training sessions to be conducted in Q1-Q2 2022 • Drafting project scope 	