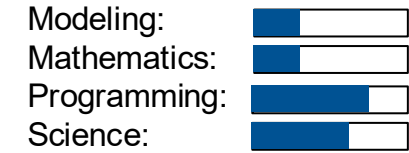


Geospatial Overlays – Generating Spatial Data Selections for Enhanced Usability

Task

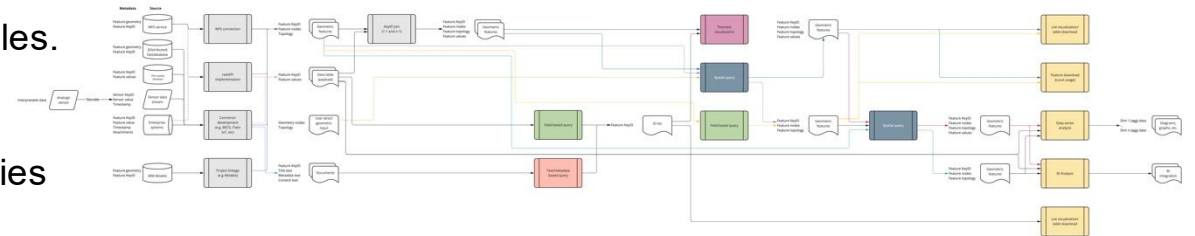
Your task will be to simplify workflows for professionals in city policy-making and planning. This project focuses on enabling customized spatial data overlays for various applications. You will conduct a literature review to identify existing tools and challenges, use and integrate Geospatial Data and BIM models, adapt and implement algorithms to create geospatial overlays, and test the framework through stakeholder feedback.

Project Characteristics



General Instructions

- Include diagrams to illustrate spatial data workflows and overlay examples.
- Use the geospatial and BIM datasets provided by Bentley to build the framework efficiently.
- Leverage tools like the iTwin Platform, PostGIS, and open-source libraries to adapt existing algorithms.
- Test and validate the framework using Bentley-provided criteria, iterating based on stakeholder feedback.
- Focus on creating clear and reusable outputs (e.g., overlays for dashboards and reports).



<https://postgis.net/>

<https://developer.bentley.com/>

<https://www.bentley.com/software/itwin-platform/>