

RFRP-15/16-002 Application of Demographic Analysis to Pedestrian Safety  
Technical Questions and Responses

**Question:** On Deliverable 3, it stated that “Upon completion of Task 3, the researcher shall provide to the Research Center at [research.center@dot.state.fl.us](mailto:research.center@dot.state.fl.us) a flowchart that includes identified inputs, outputs and outcomes”. In the description of Task 3, the Department would like to know how those outputs will be implemented to produce the desired outcomes. Should outputs be countable? Are countermeasures are outputs? Please provide any example for an output? Please provide more description about the output.

**Response:** Inputs are demographic variables that are relevant (ex. Age, race, poverty level, commute data, etc). The demographic analysis should include an extensive review of potential variables that are pertinent to this research.

Outputs are the result of the analysis of these variables (Percentage of population over 65 years of age, percentage of poverty, etc). This should include statistical analysis of the data if appropriate and analysis of any geographic trends in the data.

Outcomes are the proposed countermeasures such as roadway lighting, signalized crosswalks, etc. but also pedestrian safety education/outreach plans that will resonate with a given area’s demographics. These should be informed by the outputs. For example, an area with a low percentage of car ownership (output) may require additional roadway lighting for people walking at night and/or education/outreach efforts to prevent jaywalking (outcome). Outcomes should be informed by the combination of demographic variables as appropriate.

**Question:** On Tasks 3 and 4, methodology and methodology test are mentioned. We would like to know more about the definition of methodology. On Task 4: Methodology Test, it is mentioned that the researcher should use this flowchart to test the proposed methodology. Please explain more about that statement.

**Response:** The methodology for the purposes of this research is the combination of inputs, outputs and outcomes proposed. The inputs, outputs and outcomes should be structured in the flowchart as appropriate. For example, an input may produce one or several outputs. Outputs may be analyzed together to produce one outcome. The analysis does not have to be linear but may be systematic. The researcher may analyze one input first and then analyze other inputs or combination of inputs as appropriate.

The final flowchart should be tested to determine if the proposed inputs, outputs, and outcomes provide a comprehensive view on this topic. The methodology should be applicable to the department needs and implementable using department resources and available data. This task will give the researcher a chance to modify or add any relevant components.

Question: Can access to crash data that are available on a site operated by the University of Florida (S4 Analytics) be provided.

Response: Access may be requested at <https://s4.geoplan.ufl.edu/analytics/NewUserRequest.aspx>  
However, we use CARS system for crash data instead of Signal Four Analytics