Problem area	Issues to consider	Possible stakeholders
1. Planning school lunches	Nutrition, price, cost, quantity, allergies, income/subsidies, allergies, cultural preferences and constraints, location, delivery/preparation, etc	School principals, trustees, planners, parents, students,
2. Managing street repairs	Traffic, impact on businesses and services (logistic and financial: consider how much major work creates financial hardship), cost of repair, transit, reports (who sends in data), parking, delivery of materials, commute times and alternatives, etc	Engineers, drivers, merchants, transit users, customers. commuters
3. Implication of climate change and sea rise on coastal communities: impact of alternative mitigation strategies	Economy, transportation, displacement of people, emergency services, foodsupply, energy supplies,	Citizens, climate scientists, business and social planners
4. people movement and traffic patterns around the city	Time, events, type of movement, cost (will pricing make a difference), ancillary costs (parking), type of infrastructure (bike lanes, special buses, etc)	City planners, developers
5. Voting patterns over time. Why did LEadNow go wrong? (for example)	Demographics, economic factors, issues, countries or regions, levels of education	
6. Patterns and contributors to environmental pollution	What contributes? Roads, appliances , heating, type of pollution (dust, toxins, etc)	
7. personal health data to help users improve outcomes	Activity, diet, nutrition, economic, age, medical conditions, weight,	
8. Internet pricing model: Understand how much amount people in developing countries pay for accessing Internet and how is the pricing for accessing data modeled. Can we get some ideas to understand how free or cheaper internet can be provided to poor people?		
9. Plan new housing developments for Surrey or vancouver	Land use, incomes, population growth, housing cost, demographics, necessary services, transit etc, tax bases	
10. Planning Emergency services in surrey, Vancouver, other main cities in canada	Fire, crime, traffic, medical first responders, events (concerts, sports)	
11. student debt levels	Income, jobs, kinds of degrees, levels of debt, regions, degrees,government support, interest rates, repayment patterns	
12. Climate change and food supply		
13. Online shopping for some product or set of producs. (choosing a laptop, games, movies, etc)		
14. Open data itself	Providers, type, users, scale, scope,	

	dimensions,	
15. Vancouver's green initiative: urban agriculture, green building, cycling – who is participating and what difference is it making?	Transit, traffic, shopping patterns, urban markets, business data, housing types etc	
16. Should (what if) Uber come(s) to the lower mainlaind?	NYC trip record dataset is one example; taxi incomes; density; revenues; traffic; etc	
17. Housing and emigration patterns over time in BC, Canada		
18. Accident rates in BC	Accident type, causal factor (alcohol, speed,etc), road type, car type, weather …	
19. Patterns in quality of life and wellbeing of aging population in different regions: how to measure performance and promote improvements	Exercise, political situation, nutrition, income,education, access to care, type of care, cost of care ,…..	
20. Access to drinking water and trends in improving it	Region, GDP, type of water issue, construction, cost, …	
21. Child Adoption pattern in Canada, try to show how many children waiting to be adopted (), how many applicants trying to adopt them(Where and Who are the applicants---Location, Age group, Marital Status, Average Monthly Income) and how further, to encourage people to take action and adopt.	Where and Who are the children---Location, Gender, Ethnic Group, Age Group; Where and Who are the applicants---Location, Age group, Marital Status, Average Monthly Income	
22. Pick up a developing nation and collect the World Bank Data to show patterns on how World Bank aims at ending poverty and promoting prosperity.	number of projects, amount of funding and the set of states or provinces influenced by each engagement area, or result indicators	
23. Food waste patterns. Food can be wasted at different supply stages, e.g. at the farm in post-harvest losses, during transport or at the processing stage, in shops where food is offered but not sold, or by consumers. Identify opportunities to reduce waste		
24. Internet pricing model: Understand how much amount people in developing countries pay for accessing Internet and how is the pricing for accessing data modeled. Can we get some ideas to understand how free or cheaper internet can be provided to poor people? How current pricing is different form Internet.org model?		
25. Bike share systems : placement of stations, pricing and amount of bikes to provide. You are planning a	Cost, traffic, crime, lighting, bike paths, population, demographics, transit…	

bike share system for Surrrey.		
26. Comparing nutrition value of menu at different food chains, such as fast food (Subway, Macdonalds,etc) and other restaurants (identify)		
27. Patterns in battling infectious diseases in Canada. The impact of Vaccines and number of cases per 100000 people in Canada	Political influence (antivaxxers); demographics;education, population, region, ethnicity . …	