

# CS 5630 / 6630 Project Peer Feedback

**Our project title: Battery Electric Bus Deployment in the Greater Salt Lake Region**

Members: Yinhu Wang & Yirong Zhou

**Questions from peer group:**

**Q1: What triggered you to do this project?**

A1: It is an on-going project funded by UTA. The visualization of this project will help to show the detail of optimizing the battery electrical bus (BEB) deployment to the transportation agencies.

**Q2: You provide 3 examples with different budgets, why do you want to do that? Is that meaningful?**

A2: The 3 examples are not special, just showing what users can do for the BED deployment with the budget option. Users can select dozens of different budgets to see how it performs in the result.

**Q3: If multiple views, are they coordinated?**

A3: Yes, they are coordinated. The left view will show the deployment from a whole perspective while the right view will show the route in detail on which the bus is replaced with BEB by click the bus route on the left view.

**Q4: Is there any animation?**

A4: Yes, animation will be used for the graphics.

**Q5: PM 2.5 seems like a proper indicator for pollutants. But is unemployment an suitable indicator for the financial situation of the residents?**

A5: Yes, we use unemployment as an indicator for the financial situation of residents in a region. And the unemployment data is just one column of the whole data set. Another related data is the income data of residents. Through mining these data, we find that regions with worse pollution problem usually have more low-income residents and higher unemployment.

**Suggestions from peer group:**

1. There are some abbreviations that are hardly understood such as the words below when browsing the web for the first time. It is probably better to provide some instruction or some information to those words.

Ex: UTA (Utah Transit Agency), BEB (battery electrical bus), TAZ level (unit name, traffic analysis zone)

2. Probably you could apply the animation-scroll on the map of SLC. By doing scroll up/down, applying pollutant/financial condition on the map.

## **Peer group project title: Does Lottery win people a fortune overnight?**

Members: Yuhan Su & Zoe Zhang

### **Questions we raised:**

#### **Q1: What is the reference of the prediction part?**

A1: We would love to do more analysis and prediction, but the personal buying information is confidential. Therefore, we change it to give users a random number function.

#### **Q2: Does the map provide the related information when zooming in/ out?**

A2: Yes, we will do that.

#### **Q3: If multiple views, are they coordinated?**

A3: Yes, we provide a map and the statistical graph to show the data about the location. It is coordinated.

### **Suggestion:**

In this project, some information of the regions could be shown in more detail.