# **Data Visualization and Communication Final Project Report**

### **Project Name:**

WASH 2030

### **Project Participants:**

Adara Liao

Chloe (Youzhi) Wu

Elle Proust

I-Wae Niu

### **FINAL Project URL (must point to the final version):**

**Final version:** <http://groups.ischool.berkeley.edu/WASH_2030/>

**Test version:** <http://people.ischool.berkeley.edu/~elleproust/>

### **Additional Project Information:**

(1) Presentation Limitations:

We didn’t show the full scope of the website because there was far more content than we could show in 20 minutes. There were three other stories showing the different WASH pillars that we could have run through if time permits.

(2) Project Limitations:

Our visualizations are built in Tableau, published to Tableau Public, and embedded in our website. However, we realize that there are some limitations of Tableau Public integrations, such as slow performance, non-responsiveness, and time-out issues. There might be solutions to these issues. But due to our time constraint, we have not fully explored all possibilities.

(3) Further Project work:

Two things we wanted to do was taking further advantage of encodings - using hue and luminescence to encode information like GDP and population. We also wanted to create an animated visualisation showing the transition from current state to future state. If possible, we also would like to resolve the integration issues with Tableau Public.

### **Who Did What:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Adara** | **Chloe** | **Elle** | **I-Wae** |
| Data Preparation | 10% | 10% | 10% | 70% |
| Task List Creation | 15% | 15% | 55% | 15% |
| User Testing | 25% | 25% | 25% | 25% |
| EDA | 20% | 30% | 15% | 35% |
| **Graphic Design (Total)** | **20%** | **30%** | **20%** | **30%** |
| * Overview | 30% |  |  | 70% |
| * Pillar story flow design |  | 50% |  | 50% |
| * Basic Water Pillar |  | 100% |  |  |
| * Basic Sanitation Pillar |  |  |  | 100% |
| * Hygiene Pillar | 100% |  |  |  |
| * Safe Water Pillar | 100% |  |  |  |
| * Safe Sanitation Pillar |  | 100% |  |  |
| * How to help |  |  | 100% |  |
| * HTML/website |  | 75% | 25% |  |
| Final presentation | 25% | 25% | 25% | 25% |
| Final paper | 10% | 20% | 60% | 10% |