**CMPT 767 – Visualization – Week 3 Journal – Physical Visualization**

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| **Visualization 1** | |
| http://www.lukejerram.com/sites/lukejerram/files/system/project_images/Earthquake_sculpture_Jerram.jpg | |
| **Opinion** | I really like the data sculpture by Luke Jerram that depicts nine minutes of seismographic readings during the 9.0 earthquake. |
| **Reference** | <https://gizmodo.com/british-artist-remakes-nine-minutes-of-japans-destructi-5855077> |

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| **Visualization 2** | |
| http://dataphys.org/list/wp-content/uploads/2014/10/3276245234_44c7034209.jpg | |
| **Opinion** | This is a live-visualization of emotional expressions (8 of them - joy, trust, fear, surprise, sadness, disgust, anger, and anticipation), written on private weblog communities. It analyses these blogs and dynamically change accordingly |
| **Reference** | <http://www.markuskison.de/kinetic.html> |

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| **Visualization 3** | |
| http://dataphys.org/list/wp-content/uploads/2014/10/lego_cartogram.jpg | |
| **Opinion** | This physical visualization called Prism shows migration patterns in America. Each Lego brick represents 10,000 people. |
| **Reference** | <https://flowingdata.com/2011/03/03/lego-cartograms-show-immigration-and-migration/> |

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| **Visualization 4** | |
| http://dataphys.org/list/wp-content/uploads/2014/10/profile_colorCorrected.jpghttp://dataphys.org/list/wp-content/uploads/2014/10/strings_colorCorrected.jpg | |
| **Opinion** | This visualization is a combination of a 3D-printed relief map of New York City with beads where each bead represents one school location. Each bead on top of the relief map is connected to a string below whose length indicates the number of students who dropped out of that school. |
| **Reference** | <https://benkauffman.com/NYC-High-School-Dropouts> |

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| **Visualization 5** | |
| http://dataphys.org/list/wp-content/uploads/2014/11/3Charts1.jpg | |
| **Opinion** | This visualization is designed by Microsoft Research and uses beautiful, mechanically driven, physical charts to communicate data to people living or working on Tension Road in Cambridge, UK. |
| **Reference** | <https://www.microsoft.com/en-us/research/project/data-street-life/> |

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| **Visualization 6** | |
| http://dataphys.org/list/wp-content/uploads/2015/01/4.jpg | |
| **Opinion** | This visualization done by Domestic Data Streamers creates a real-time physical visualization of votes for a graphic design contest. A person can vote for a specific piece by sending a tweet, after which the machine releases a drop of yellow liquid and sends it to the corresponding test tube. |
| **Reference** | <http://dataphys.org/list/drip-by-tweet-each-vote-is-a-drop/> |

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| **Visualization 7** | |
| http://dataphys.org/list/wp-content/uploads/2019/02/hostile-terrain-94.png | |
| **Opinion** | This visualization uses 3500 hand-written toe tags representing the recovered body of a migrant who died while crossing the US/Mexico border |
| **Reference** | <https://www.undocumentedmigrationproject.com/> |