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What the Hack

Minesight Velosphere

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Wanlin Gong

Julia Morlock

Provide
intervention
recommendations &
policy changes



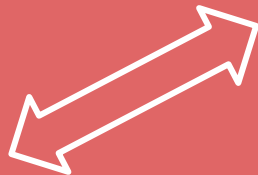
Heart Disease



Education



**Socioeconomic
Factors**



**Social
Services**

—

So what?
Why it matters...

	LWSD_Expanded_Indicators_Dashboard_2016.pdf	Briann Belliveau	Feb 18, 2017	378 KB
	2013_San_Diego_Demographics_-_Public_Programs.csv	Briann Belliveau	Feb 18, 2017	4 KB
	2013_San_Diego_Demographics_-_Vehicle_Availability.csv	Briann Belliveau	Feb 18, 2017	2 KB
	2013_San_Diego_Demographics_-_Poverty.csv	Briann Belliveau	Feb 18, 2017	13 KB
	EBT.xlsx	Briann Belliveau	Feb 18, 2017	38 KB
	Coronary_Heart_Disease_Deaths_2010-2013.csv	Briann Belliveau	Feb 18, 2017	52 KB
	Coronary_Heart_Disease_Hospitalizations_2010-2013.csv	Briann Belliveau	Feb 18, 2017	62 KB
	Coronary_Heart_Disease_ED_Discharges_2010-2013.csv	Briann Belliveau	Feb 18, 2017	49 KB
	2013_San_Diego_Demographics_-_Median_Income.csv	Briann Belliveau	Feb 18, 2017	3 KB

Briann Belliveau
Data Acquisition

```

data_hackathon.R
Source on Save
Run
Source

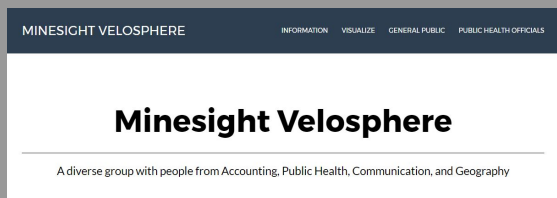
death
In selection Match case Whole word Regex Wrap
# Clean the predictors
43 CHD_linear_income <- income %>%
44 as.tbl() %>%
45 select(SRA, Area, Median.Household.Income) %>%
46 print
47
48 CHD_linear_public_program <- public_program %>%
49 as.tbl() %>%
50 filter(Area %in% unique(CHD_linear_income$Area)) %>%
51 select(Area, Total.Households, Households.with.SNAP, Households.with.cash.Assistance) %>%
52 mutate(public_program_pct = (households.with.SNAP + Households.with.cash.Assistance) /
53 Total.Households) %>%
54 select(Area, public_program_pct) %>%
55 print
56
57 CHD_linear_vehicle_availability <- vehicle_availability %>%
58 as.tbl() %>%
59 select(Area, Total.households., occupied.housing.units., No.vehicle.available) %>%
60 mutate(no_vehicle_pct = No.vehicle.available/Total.households.occupied.housing.units.) %>%
61 select(Area, No_vehicle_pct) %>%
62 print
63
64 CHD_linear_predictors <- CHD_linear_income %>%
65 left_join(CHD_linear_public_program, by = "Area") %>%
66 left_join(CHD_linear_vehicle_availability, by = "Area") %>%
67 filter(! (SRA %in% c(0,99))) %>%
68 print
69
70
71

```

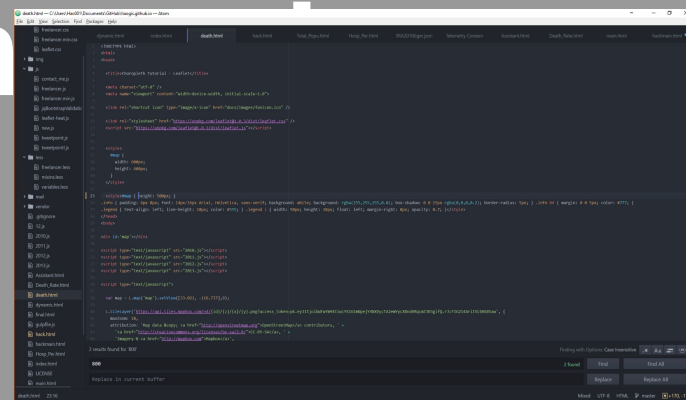
Bin Fang
Data Cleaning w/ R



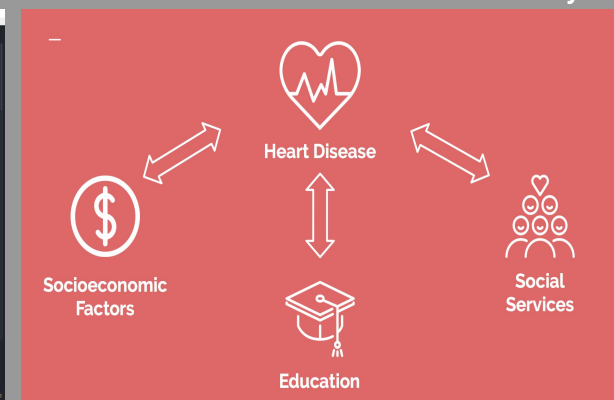
Wanlin Gong & Julia Morlock
Data Visualization w/ SAP Predictive Analytics



Annie Phan - Website Design



Hao Zhang
Website Development w/ HTML, Java Script, Leaflet



Mario Sanguinet
Visuals & Presentation

Target Users

Governments

Policy Makers



Impact

Funding Allocation

Resource Usage



Next Steps

Scaling up

