

Workflow

important

to do

done this week

1. Wrangle, prepare, cleanse data

- overview

shape

- Deal with Null value

UNKNOWN / blank \rightarrow NaN

- Extreme value

age (how to deal with >100 & <5)

2. Define, Analyze & Explore

- numerical

count, 50% quantile, avg., max, min

- categorical

unique, top, freq.

- Extract gender from facebook

- extract gender from info

- check match rate

- fill facebook_gender to gender

- add income level effect

- get income table based on zip code from IRS

- data cleaning (group zip, avg. income)

- append to df
- analyze relationship bw income/zipcode and engagement (6).

* user-count

* num-video-viewed
active-time

* last view - register

- extract data from view-hour.

- sum-view-times (add col)
- % view times / ttl view times (6)
- freq-time (most freq view hour category)
- relationship bw freq-time & age, gender ...
- heatmap (push notification time).

- Define Y (stickiness) - biweek 1, 2, 3, 4 after 4

- find retention rate (overall)
- pick up sticky users
- define Y: 1, 0

- Location based on lat & long.

- Analyze age-group, gender, country, region, active time, stickiness

- analyze one-by-one

- relationship with stickiness

- heatmap.