Topic ideas

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Put all data sets in the `data` folder.

Data Set 1 (Flying)

Description

This represents the results of a survey conducted by FiveThirtyEight through SurveyMonkey on in-flight conduct. It was downloaded from Kaggle (https://www.kaggle.com/fivethirtyeight/fivethirtyeight-flying-etiquette-survey-dataset?select=flying-etiquette.csv). An article was also written about this survey (https://fivethirtyeight.com/features/airplane-etiquette-recline-seat/).

Data dictionary

Many of the variables appear to be named after queries on the survey. All of them are comprehensible from their names alone. `Age` and `Household Income` are categorical variables. `How tall are you?` is in feet and inches, but precise heights are not available for those taller than 6'6" or shorter than 5'0".

Variables
RespondentID
How often do you travel by plane?
Do you ever recline your seat when you fly?
How tall are you?
Do you have any children under 18?
In a row of three seats, who should get to use the two arm rests?
In a row of two seats, who should get to use the middle arm rest?
Who should have control over the window shade?
Is itrude to move to an unsold seat on a plane?
Generally speaking, is it rude to say more than a few words tothe stranger sitting next to you on a plane?
On a 6 hour flight from NYC to LA, how many times is it acceptable to get up if you're not in an aisle seat?
Under normal circumstances, does a person who reclines their seat during a flight have any obligation to the person sitting behind them?
Is itrude to recline your seat on a plane?
Given the opportunity, would you eliminate the possibility of reclining seats on planes entirely?
Is it rude to ask someone to switch seats with you in order to be closer to friends?
Is itrude to ask someone to switch seats with you in order to be closer to family?
Is it rude to wake a passenger up if you are trying to go to the bathroom?
Is itrude to wake a passenger up if you are trying to walk around?
In general, is itrude to bring a baby on a plane?
In general, is it rude to knowingly bring unruly children on a plane?
Have you ever used personal electronics during take off or landing in violation of a flight attendant's direction?
Have you ever smoked a cigarette in an airplane bathroom when it was against the rules?

Variables
Gender
Age
Household Income
Education
Location (Census Region)

glimpse of data

```
## Rows: 1,040
## Columns: 27
## $ RespondentID
## $ `How often do you travel by plane?`
## $ `Do you ever recline your seat when you fly?`
## $ `How tall are you?`
## $ `Do you have any children under 18?`
## $ `In a row of three seats, who should get to use the two arm rests?`
## $ `In a row of two seats, who should get to use the middle arm rest?`
## $ `Who should have control over the window shade?`
## $ `Is itrude to move to an unsold seat on a plane?`
## $ `Generally speaking, is it rude to say more than a few words tothe stranger sitting next to you on
## $ `On a 6 hour flight from NYC to LA, how many times is it acceptable to get up if you're not in an a
## $ `Under normal circumstances, does a person who reclines their seat during a flight have any obliga
## $ `Is itrude to recline your seat on a plane?`
## $ `Given the opportunity, would you eliminate the possibility of reclining seats on planes entirely?`
## $ `Is it rude to ask someone to switch seats with you in order to be closer to friends?`
## $ `Is itrude to ask someone to switch seats with you in order to be closer to family?`
## $ `Is it rude to wake a passenger up if you are trying to go to the bathroom?`
## $ `Is itrude to wake a passenger up if you are trying to walk around?`
## $ `In general, is itrude to bring a baby on a plane?`
## $ `In general, is it rude to knowingly bring unruly children on a plane?`
## $ `Have you ever used personal electronics during take off or landing in violation of a flight atten
## $ `Have you ever smoked a cigarette in an airplane bathroom when it was against the rules?`
## $ Gender
## $ Age
## $ `Household Income`
## $ Education
## $ `Location (Census Region)`
```

Data Set 2 (Life Expectancy)

Description

Data-set related to life expectancy, health factors, and economic data for 193 countries collected from WHO data repository and from United Nation.

Data dictionary

- Country
- Year
- Status (Developed or Developing status)
- Life expectancy (Life Expectancy in age)
- Adult Mortality (Adult Mortality Rates of both sexes (probability of dying between 15 and 60 years per 1000 population))

- infant deaths (Number of Infant Deaths per 1000 population)
- Alcohol (Alcohol, recorded per capita (15+) consumption (in litres of pure alcohol))
- percentage expenditure (Expenditure on health as a percentage of Gross Domestic Product per capita(%))
- Hepatitis B (Hepatitis B (HepB) immunization coverage among 1-year-olds (%))
- Measles (Measles - number of reported cases per 1000 population)
- BMI (Average Body Mass Index of entire population)
- under-five deaths (Number of under-five deaths per 1000 population)
- Polio (Polio (Pol3) immunization coverage among 1-year-olds (%))
- Total expenditure (General government expenditure on health as a percentage of total government expenditure (%))
- Diphtheria (Diphtheria tetanus toxoid and pertussis (DTP3) immunization coverage among 1-year-olds (%))
- HIV/AIDS (Deaths per 1 000 live births HIV/AIDS (0-4 years))
- GDP (Gross Domestic Product per capita (in USD))
- Population (Population of the country)
- thinness 1-19 years (Prevalence of thinness among children and adolescents for Age 10 to 19 (%))
- thinness 5-9 years (Prevalence of thinness among children for Age 5 to 9(%))
- Income composition of resources (Human Development Index in terms of income composition of resources (index ranging from 0 to 1))
- Schooling (Number of years of Schooling (years))

glimpse of data

```
## Rows: 2,938
## Columns: 22
## $ Country                             <chr> "Afghanistan", "Afghanistan", "Af...
## $ Year                                <dbl> 2015, 2014, 2013, 2012, 2011, 201...
## $ Status                              <chr> "Developing", "Developing", "Deve...
## $ `Life expectancy`                   <dbl> 65.0, 59.9, 59.9, 59.5, 59.2, 58....
## $ `Adult Mortality`                   <dbl> 263, 271, 268, 272, 275, 279, 281...
## $ `infant deaths`                     <dbl> 62, 64, 66, 69, 71, 74, 77, 80, 8...
## $ Alcohol                             <dbl> 0.01, 0.01, 0.01, 0.01, 0.01, 0.0...
## $ `percentage expenditure`            <dbl> 71.279624, 73.523582, 73.219243, ...
## $ `Hepatitis B`                       <dbl> 65, 62, 64, 67, 68, 66, 63, 64, 6...
## $ Measles                             <dbl> 1154, 492, 430, 2787, 3013, 1989,...
## $ BMI                                 <dbl> 19.1, 18.6, 18.1, 17.6, 17.2, 16....
## $ `under-five deaths`                 <dbl> 83, 86, 89, 93, 97, 102, 106, 110...
## $ Polio                               <dbl> 6, 58, 62, 67, 68, 66, 63, 64, 63...
## $ `Total expenditure`                 <dbl> 8.16, 8.18, 8.13, 8.52, 7.87, 9.2...
## $ Diphtheria                          <dbl> 65, 62, 64, 67, 68, 66, 63, 64, 6...
## $ `HIV/AIDS`                          <dbl> 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1...
## $ GDP                                 <dbl> 584.25921, 612.69651, 631.74498, ...
## $ Population                          <dbl> 33736494, 327582, 31731688, 36969...
## $ `thinness  1-19 years`              <dbl> 17.2, 17.5, 17.7, 17.9, 18.2, 18....
## $ `thinness 5-9 years`                <dbl> 17.3, 17.5, 17.7, 18.0, 18.2, 18....
## $ `Income composition of resources`   <dbl> 0.479, 0.476, 0.470, 0.463, 0.454...
## $ Schooling                           <dbl> 10.1, 10.0, 9.9, 9.8, 9.5, 9.2, 8...
```

Data Set 3 (optional)

Description

Data dictionary

glimpse of data