**UCSD Hackathon Data Dictionary**

* Center for Disease Control
  + Database: *cdc*
  + Tables:
    - *national\_divorce\_trends*

CREATE MULTISET TABLE cdc.national\_divorce\_trends ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"# Divorces & Annulments" INTEGER,

"Total Population" INTEGER,

"Rate per 1000" DECIMAL(2,1))

NO PRIMARY INDEX ;

* + - *national\_marriage\_trends*

CREATE MULTISET TABLE cdc.national\_marriage\_trends ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"# Marriages" INTEGER,

"Total Population" INTEGER,

"Rate per 1000" DECIMAL(2,1))

NO PRIMARY INDEX ;

* Crime Data
  + Database: *crime\_data*
  + Tables:
    - *murders\_by\_weapon\_type*

CREATE MULTISET TABLE crime\_data.murders\_by\_weapon\_type ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Total Murders" SMALLINT,

"Total by Firearms" SMALLINT,

Handguns SMALLINT,

Rifles SMALLINT,

Shotguns SMALLINT,

"Other guns" BYTEINT,

"Firearms, type not stated" SMALLINT,

Knives SMALLINT,

"Blunt objects" SMALLINT,

"Personal weapons" SMALLINT,

Poison BYTEINT,

Explosives BYTEINT,

Fire SMALLINT,

Narcotics BYTEINT,

Drowning BYTEINT,

Strangulation SMALLINT,

Asphyxiation BYTEINT,

Other SMALLINT)

NO PRIMARY INDEX ;

* + - *police\_military\_purchases*

CREATE MULTISET TABLE crime\_data.policy\_military\_purchases ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Ship Date" DATE FORMAT 'YY/MM/DD',

"Niin Item Name" VARCHAR(65) CHARACTER SET LATIN CASESPECIFIC,

State VARCHAR(2) CHARACTER SET LATIN CASESPECIFIC,

Quantity VARCHAR(5) CHARACTER SET LATIN CASESPECIFIC,

"Total Cost" VARCHAR(9) CHARACTER SET LATIN CASESPECIFIC)

NO PRIMARY INDEX ;

* + - *portland\_crime*

CREATE MULTISET TABLE crime\_data.portland\_crime ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Record ID" INTEGER,

"Report Date" DATE FORMAT 'YY/MM/DD',

"Report Time" TIME(0),

"Major Offense Type" VARCHAR(23) CHARACTER SET LATIN CASESPECIFIC,

Address VARCHAR(70) CHARACTER SET LATIN CASESPECIFIC,

Neighborhood VARCHAR(25) CHARACTER SET LATIN CASESPECIFIC,

"Police Precinct" VARCHAR(25) CHARACTER SET LATIN CASESPECIFIC,

"Police District" VARCHAR(3) CHARACTER SET LATIN CASESPECIFIC,

"X Coordinate" DECIMAL(17,10),

"Y Coordinate" DECIMAL(17,11))

NO PRIMARY INDEX ;

* + - *san\_diego\_crime*

CREATE MULTISET TABLE crime\_data.san\_diego\_crime ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"date" DATE FORMAT 'YY/MM/DD',

"time" TIME(0),

"type" VARCHAR(24) CHARACTER SET LATIN CASESPECIFIC,

address VARCHAR(50) CHARACTER SET LATIN CASESPECIFIC,

city VARCHAR(6) CHARACTER SET LATIN CASESPECIFIC,

lat DECIMAL(10,8),

lon DECIMAL(10,7),

"desc" VARCHAR(64) CHARACTER SET LATIN CASESPECIFIC)

NO PRIMARY INDEX ;

* + - *us\_crime\_rates* (Rates are per 100,000)

CREATE MULTISET TABLE crime\_data.us\_crime\_rates ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Violent Crime" INTEGER,

"Violent Crime Rate" DECIMAL(4,1),

"Murder and Non-Negligent Manslaughter" SMALLINT,

"Murder and Non-Negligent Manslaughter Rate" DECIMAL(2,1),

"Forcible Rape" INTEGER,

"Forcible Rape Rate" DECIMAL(3,1),

Robbery INTEGER,

"Robbery Rate" DECIMAL(4,1),

"Aggravated Assault" INTEGER,

"Aggravated Assault Rate" DECIMAL(4,1),

"Property Crime" INTEGER,

"Property Crime Rate" DECIMAL(5,1),

Burglary INTEGER,

"Burglary Rate" DECIMAL(5,1),

"Larceny-Theft" INTEGER,

"Larceny-Theft Rate" DECIMAL(5,1),

"Motor Vehicle Theft" INTEGER,

"Motor Vehicle Theft Rate" DECIMAL(4,1),

Population INTEGER)

NO PRIMARY INDEX ;

* Health
  + Database: *health*
  + Tables:
    - *country\_death\_rates*

CREATE MULTISET TABLE health.country\_death\_rates ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Country Code" VARCHAR(3) CHARACTER SET LATIN CASESPECIFIC,

"Country Name" VARCHAR(42) CHARACTER SET LATIN CASESPECIFIC,

"Year" SMALLINT,

"Age Group" VARCHAR(11) CHARACTER SET LATIN CASESPECIFIC,

Sex VARCHAR(6) CHARACTER SET LATIN CASESPECIFIC,

"Number of Deaths" INTEGER,

"Death Rate Per 100,000" DECIMAL(7,1))

NO PRIMARY INDEX ;

* + - *life\_expectancy\_hivaids\_countries*

CREATE MULTISET TABLE health.life\_expectancy\_hivaids\_countries ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

Botswana DECIMAL(3,1),

"Lesotho (Years)" DECIMAL(3,1),

"South Africa (Years)" DECIMAL(3,1),

"Swaziland (Years)" DECIMAL(3,1),

"Zambia (Years)" DECIMAL(3,1),

"Zimbabwe (Years)" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *life\_expectancy\_russia*

CREATE MULTISET TABLE health.life\_expectancy\_russia ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Male (Years)" DECIMAL(3,1),

"Female (Years)" DECIMAL(3,1),

"Both Sexes (Years)" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *life\_expectancy\_usa*

CREATE MULTISET TABLE health.life\_expectancy\_usa ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Life Expectancy at Birth (Years)" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *life\_expectancy\_world\_projection\_2100*

CREATE MULTISET TABLE health.life\_expectancy\_world\_projection\_2100 ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Africa (Years)" DECIMAL(3,1),

"Asia (Years)" DECIMAL(3,1),

"Europe (Years)" DECIMAL(3,1),

"Latin America (Years)" DECIMAL(3,1),

"Northern America\* (Years)" DECIMAL(3,1),

"Oceania (Years)" DECIMAL(3,1),

"World (Years)" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *world\_population\_projection\_2100*

CREATE MULTISET TABLE health.world\_population\_projection\_2100 ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Population (Millions)" DECIMAL(8,3),

"Annual Addition (Millions)" DECIMAL(5,3),

"Percent Increase (Millions)" DECIMAL(10,9))

NO PRIMARY INDEX ;

* Housing Data
  + Database: *housing\_data*
  + Tables:
    - *san\_francisco\_rental\_listings:*

CREATE MULTISET TABLE housing\_data.san\_francisco\_rental\_listings ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

numBedrooms BYTEINT,

price INTEGER,

latitude DECIMAL(9,7),

longitude DECIMAL(10,7))

NO PRIMARY INDEX ;

* + - *freddie\_mae\_house\_price\_index* (There is a column per state)

CREATE MULTISET TABLE housing\_data.freddie\_mae\_house\_price\_index ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Date" DATE FORMAT 'YY/MM/DD',

AK DECIMAL(10,8),

AL DECIMAL(10,8),

AR DECIMAL(10,8),

AZ DECIMAL(10,8),

CA DECIMAL(10,8),

CO DECIMAL(10,8),

"CT" DECIMAL(10,8),

DC DECIMAL(10,8),

DE DECIMAL(10,8),

FL DECIMAL(10,8),

GA DECIMAL(10,8),

HI DECIMAL(10,8),

IA DECIMAL(10,8),

ID DECIMAL(10,8),

IL DECIMAL(10,8),

"IN" DECIMAL(10,8),

KS DECIMAL(10,8),

KY DECIMAL(10,8),

LA DECIMAL(10,8),

MA DECIMAL(10,8),

MD DECIMAL(10,8),

ME DECIMAL(10,8),

. ………..

WA DECIMAL(10,8),

WI DECIMAL(10,8),

WV DECIMAL(10,8),

WY DECIMAL(10,8),

"United States not seasonally adjusted" DECIMAL(10,8),

"United States seasonally adjusted" DECIMAL(10,8))

NO PRIMARY INDEX ;

* Homeland Security
  + Database: *homeland\_security*
  + Tables:
    - *refugee\_arrivals\_by\_country* (There are more columns then what is represented below)

CREATE MULTISET TABLE homeland\_security.refugee\_arrivals\_by\_country ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Date" DATE FORMAT 'YY/MM/DD',

Total INTEGER,

Afghanistan SMALLINT,

Algeria BYTEINT,

Angola BYTEINT,

Armenia BYTEINT,

Azerbaijan SMALLINT,

Belarus SMALLINT,

Bhutan SMALLINT,

"Bosnia-Herzegovina" SMALLINT,

Burma SMALLINT,

Burundi SMALLINT,

Cambodia BYTEINT,

Cameroon BYTEINT,

"Central African Republic" BYTEINT,

Chad BYTEINT,

"China, People's Republic" BYTEINT,

Colombia SMALLINT,

……..

Rwanda SMALLINT,

"Serbia and Montenegro" SMALLINT,

"Sierra Leone" SMALLINT,

Somalia SMALLINT,

"Soviet Union, former" SMALLINT,

Sudan SMALLINT,

Syria BYTEINT,

Tajikistan BYTEINT,

Togo SMALLINT,

Tunisia BYTEINT,

Turkmenistan BYTEINT,

Uganda BYTEINT,

Ukraine SMALLINT,

Uzbekistan SMALLINT,

Vietnam SMALLINT,

Yemen BYTEINT,

"Yugoslavia, former" SMALLINT,

Zimbabwe BYTEINT,

"All Other Countries" BYTEINT)

NO PRIMARY INDEX ;

* + - *refugee\_arrivals\_by\_region*

CREATE MULTISET TABLE homeland\_security.refugee\_arrivals\_by\_region ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Date" DATE FORMAT 'YY/MM/DD',

Total INTEGER,

Africa SMALLINT,

Asia INTEGER,

Europe INTEGER,

"North America" SMALLINT,

Oceania SMALLINT,

"South America" BYTEINT)

NO PRIMARY INDEX ;

* National Fire Protection Association
  + Database: *national\_fire\_protection*
  + Tables:
    - *fire\_problem\_overview*

CREATE MULTISET TABLE national\_fire\_protection.fire\_problem\_overview ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

Fires INTEGER,

"Civilian deaths" SMALLINT,

"Civilian injuries" SMALLINT,

"Firefighter deaths" SMALLINT,

"Firefighter injuries" INTEGER,

"Direct property damage (in billions) As reported" DECIMAL(3,1),

"Direct property damage (in billions) In 2011 dollars" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *number\_fires\_by\_type*

CREATE MULTISET TABLE national\_fire\_protection.number\_fires\_by\_type ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

Total INTEGER,

Structures INTEGER,

"Outside of structures with value involved but no vehicle" INTEGER,

"Highway vehicles" INTEGER,

"Other vehicles" SMALLINT,

"Brush grass wildland with no value or loss involved" INTEGER,

"Rubbish including dumpsters with no value or loss involved" INTEGER,

"All other fires" INTEGER)

NO PRIMARY INDEX ;

* Transportation
  + Database: *transportation*
  + Tables:
    - *aircraft\_accident\_rates*

CREATE MULTISET TABLE transportation.aircraft\_accident\_rates ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Major Accidents" BYTEINT,

"Serious Accidents" BYTEINT,

Injuries BYTEINT,

Damage BYTEINT,

"Aircraft Hours" DECIMAL(5,3),

"Major Accidents per Million Hours" DECIMAL(4,3),

"Serious Accidents per Million Hours" DECIMAL(4,3),

"Injuries per Million Hours" DECIMAL(4,3),

"Damage per Million Hours" DECIMAL(4,3))

NO PRIMARY INDEX ;

* + - *alcohol\_related\_crashes*

CREATE MULTISET TABLE transportation.alcohol\_related\_crashes ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Traffic Crashes" INTEGER,

"Traffic Fatalities" INTEGER,

"Alcohol Related Fatalities" SMALLINT,

"% of All Fatalities" DECIMAL(3,1))

NO PRIMARY INDEX ;

* + - *monthly\_number\_of\_airline\_passengers\_all\_carriers*

CREATE MULTISET TABLE transportation.monthy\_number\_of\_airline\_passengers\_all\_carriers ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Date" DATE FORMAT 'YY/MM/DD',

Domestic INTEGER,

International INTEGER,

Total INTEGER)

NO PRIMARY INDEX ;

* + - *retail\_deisel\_prices:*

CREATE MULTISET TABLE transportation.retail\_deisel\_prices ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Date" DATE FORMAT 'YY/MM/DD',

Price DECIMAL(4,3))

NO PRIMARY INDEX ;

* + - *unruly\_airline\_passengers:*

CREATE MULTISET TABLE transportation.unruly\_airline\_passengers ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

Total SMALLINT)

NO PRIMARY INDEX ;

* + - *usa\_airline\_fuel\_cost\_consumption:*

CREATE MULTISET TABLE transportation.usa\_airline\_fuel\_cost\_consumption ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Month" DATE FORMAT 'YY/MM/DD',

"Domestic Consumption (Millions of Gallons)" DECIMAL(5,1),

"Domestic Cost (Millions of $)" DECIMAL(5,1),

"Domestic Cost per Gallon ($)" DECIMAL(3,2),

"International Consumption (Millions of Gallons)" DECIMAL(4,1),

"International (Millions of $)" DECIMAL(5,1),

"International Cost per Gallon ($)" DECIMAL(3,2),

"Total Consumption (Millions of Gallons)" DECIMAL(5,1),

"Total (Millions of $)" DECIMAL(5,1),

"Total Cost per Gallon ($)" DECIMAL(3,2))

NO PRIMARY INDEX ;

* Treasury
  + Database: *treasury*
  + Tables:
    - *us\_debt:*

CREATE MULTISET TABLE treasury.us\_debt ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Debt Held By Public" BIGINT,

"Intergovernmental Holdings" BIGINT,

"Total Public Debt Outstanding" BIGINT)

NO PRIMARY INDEX ;

* US Census
  + Database: *us\_census*
  + Tables:
    - *us\_military\_aid\_inmillions*

CREATE MULTISET TABLE us\_census.us\_military\_aid\_inmillions ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Total Foreign Assistance" INTEGER,

"Military Assistance" SMALLINT,

Total DECIMAL(7,2),

"US Agency for Intl Dev" DECIMAL(7,2),

"US Dept of Agr" DECIMAL(6,2),

"State Dept" DECIMAL(7,2),

"Other Agencies" DECIMAL(6,2),

"Multilateral Orgs" DECIMAL(6,2))

NO PRIMARY INDEX ;

* Weather
  + Database: *weather*
  + Tables:
    - *tornado\_counts*

CREATE MULTISET TABLE weather.tornado\_counts ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Total # of Tornadoes" SMALLINT,

Jan BYTEINT,

Feb BYTEINT,

March SMALLINT,

Apr SMALLINT,

May SMALLINT,

June SMALLINT,

July SMALLINT,

Aug BYTEINT,

Sep SMALLINT,

Oct BYTEINT,

Nov SMALLINT,

"Dec" BYTEINT)

NO PRIMARY INDEX ;

* + - *tornado\_deaths*

CREATE MULTISET TABLE weather.tornado\_deaths ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

"Year" DATE FORMAT 'YY/MM/DD',

"Total # of Deaths from Tornadoes" SMALLINT,

Jan BYTEINT,

Feb SMALLINT,

March SMALLINT,

Apr SMALLINT,

May SMALLINT,

June SMALLINT,

July BYTEINT,

Aug BYTEINT,

Sep BYTEINT,

Oct BYTEINT,

Nov BYTEINT,

"Dec" BYTEINT)

NO PRIMARY INDEX ;

* World Health Organization
  + Database: *world\_health\_orginization*
  + Tables:
    - *hepb\_immunizations\_oneyearolds*

CREATE MULTISET TABLE world\_health\_orginization.hepb\_immunizations\_oneyearolds ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

Country VARCHAR(41) CHARACTER SET LATIN CASESPECIFIC,

"2014" BYTEINT,

"2013" BYTEINT,

"2012" BYTEINT,

"2011" BYTEINT,

"2010" BYTEINT,

"2009" BYTEINT,

"2008" BYTEINT,

"2007" BYTEINT,

"2006" BYTEINT,

"2005" BYTEINT,

"2004" BYTEINT,

"2003" BYTEINT,

"2002" BYTEINT,

"2001" BYTEINT,

"2000" BYTEINT,

"1999" BYTEINT,

"1998" BYTEINT,

"1997" BYTEINT,

"1996" BYTEINT,

"1995" BYTEINT,

"1994" BYTEINT,

"1993" BYTEINT,

"1992" BYTEINT,

"1991" BYTEINT,

"1990" BYTEINT,

"1989" BYTEINT)

NO PRIMARY INDEX ;

* + - *infants\_exclusivley\_bresatfed\_first6mos*

CREATE MULTISET TABLE world\_health\_orginization.infants\_exclusivley\_breastfed\_first6mos ,NO FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(

Country VARCHAR(52) CHARACTER SET LATIN CASESPECIFIC,

"Year" SMALLINT,

"Precent of Infants" BYTEINT)

NO PRIMARY INDEX ;