Occupation.* — L2

- White-collar — L1
  - Exec - manager — L0
  - Prof - specialty
  - Sales
  - Adm - clerical
- Blue-collar — L1
  - Transport — L0
  - House serv
  - Tech-Support
  - Craft - repair
  - Machine - op - inst
  - Handlers - cleaners
- Other — L1
  - Protective service — L0
  - Armed Forces
  - Farming - fishing
  - Other service

Marital.* — L3

- Married — L2
  - Partner Present — L1
    - Civ spouse — L0
    - AF spouse
  - Partner absent — L1
    - Divorced — L0
    - Widowed
    - Separated
    - Spouse absent
- Never Married — L2

Sex.* — L1

- Male — L0
- Female

Race.* — L2

- White — L1
- Colored — L1
  - Asian − Pac-Islander — L0
  - Amer - Eskimo
  - Black
  - Other

native_country.* — L3

- Asia — L2
  - Eastern Asia — L1
  - Middle East
  - Southeastern Asia
  - Southern Asia
- Europe — L2
  - Central Europe — L1
  - Southeastern Europe
  - Southern Europe
  - Southwestern Europe
  - Western Europe
- South America — L2
  - Carribean — L1
  - Northern South America
  - Western South America
- Middle America — L2
  - El Salvador — L1
  - Guatemala
  - Honduras
  - Mexico
  - Nicaragua
- North America — L2
  - USA — L1
  - Canada

Education.* — L4

W/O post secondary — L3
Post - secondary — L3

Preschool | Elementary | Secondary | Some college | Assoc | Univ | Post grad — L2

1st - 4th | 5th - 6th | 7th – 8th | Junior secondary | Senior secondary | adm | voc | BSc | Prof | MSc | PhD — L1

9th | 10th | 11th | 12th | HS-grad — L0

Workclass.* — L3

With pay — L2
W/O pay — L2

Private | Self-emp | Gov — L1

not-inc | inc | Federal | Local | State — L0

```
CREATE DIMENSION          age_dim
RELATED SQL_TABLE         age
LIST OF LEVEL { age.level0 AS lvl0 ,
                age.level1 AS lvl1 ,
                age.level2 AS lvl2 ,
                age.level3 AS lvl3 ,
                age.level4 AS lvl4
} HIERARCHY lvl0>lvl1>lvl2>lvl3>lvl4;


CREATE DIMENSION          marital_dim
RELATED SQL_TABLE         marital_status
LIST OF LEVEL {  marital_status.level0 AS lvl0 ,
                marital_status.level1 AS lvl1 ,
                marital_status.level2 AS lvl2 ,
                marital_status.level3 AS lvl3
}HIERARCHY lvl0>lvl1>lvl2>lvl3;


CREATE DIMENSION          native~country_dim
RELATED SQL_TABLE         native_country
LIST OF LEVEL {  native_country.level0 AS lvl0 ,

                native_country.level1 AS lvl1 ,
                native_country.level2 AS lvl2 ,
                native_country.level3 AS lvl3
}HIERARCHY lvl0>lvl1>lvl2>lvl3;


CREATE DIMENSION          gender_dim
RELATED SQL_TABLE         gender
LIST OF LEVEL {  gender.level0 AS lvl0 ,
                gender.level1 AS lvl1
}HIERARCHY lvl0>lvl1;


CREATE DIMENSION          race_dim
RELATED SQL_TABLE         race
LIST OF LEVEL {  race.level0 AS lvl0 ,
                race.level1 AS lvl1,
                race.level2 AS lvl2
}HIERARCHY lvl0>lvl1>lvl2;


CREATE DIMENSION          occupation_dim
RELATED SQL_TABLE         occupation
LIST OF LEVEL {  occupation.level0 AS lvl0 ,
                occupation.level1 AS lvl1,
                occupation.level2 AS lvl2
}HIERARCHY lvl0>lvl1>lvl2;


CREATE DIMENSION          work_dim
RELATED SQL_TABLE         work_class
LIST OF LEVEL {  work_class.level0 AS lvl0 ,
                work_class.level1 AS lvl1,
                work_class.level2 AS lvl2,
                work_class.level3 AS lvl3
}HIERARCHY lvl0>lvl1>lvl2>lvl3;


CREATE DIMENSION          education_dim
RELATED SQL_TABLE         education
LIST OF LEVEL {           education.level0 AS lvl0 ,
                education.level1 AS lvl1,
                education.level2 AS lvl2,
                education.level3 AS lvl3,
                education.level4 AS lvl4
}HIERARCHY lvl0>lvl1>lvl2>lvl3>lvl4;


CREATE CUBE adult_cube
RELATED SQL_TABLE adult
MEASURES hrs AT adult.hours_per_week
REFERENCES DIMENSION
                age_dim AT adult.age,
                work_dim AT adult.work_class,
                marital_dim AT adult.marital_status,
                occupation_dim AT adult.occupation,
                race_dim AT adult.race,
                gender_dim AT adult.gender,
                native~country_dim AT adult.native_country,
                education_dim AT adult.education
```