psql -U postgres

select c.gender, (admittime - dob)/365 as age, ADMISSIONS .subject\_id, icd9\_code, insurance,ethnicity,marital\_status, diagnosis, (dischtime - admittime ) as stay\_time from ADMISSIONS

right join

(select distinct(subject\_id), icd9\_code from DIAGNOSES\_ICD where icd9\_code between '2900' and '3199' ) as b

on (ADMISSIONS .subject\_id = b.subject\_id)

right join

(select dob, gender, subject\_id from PATIENTS) as c

on (c.subject\_id = b.subject\_id )

java -jar C:/Users/Haoyuan/Desktop/MIMIC/schemaspy-6.0.0.jar -t pgsql -dp C:/Users/Haoyuan/Desktop/MIMIC/postgresql-42.2.4.jar -db mimic -host localhost -s mimiciii -u postgres -p postgres -o C:/Users/Haoyuan/Desktop/MIMIC

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|  |
| --- |
| WITH diatbl AS |
|  | ( |
|  | SELECT DISTINCT ON (dia.subject\_id) dia.subject\_id, ad.admittime |
|  | FROM diagnoses\_icd dia |
|  | INNER JOIN admissions ad |
|  | ON dia.subject\_id = ad.subject\_id |
|  | WHERE dia.icd9\_code |
|  | -- 401% relates to hypertension WHERE dia.icd9\_code between '2900' and '3199' |
|  | LIKE '401%' |
|  | ), |
|  | agetbl AS |
|  | ( |
|  | SELECT dt.subject\_id, |
|  | (extract(DAY FROM dt.admittime - p.dob) |
|  | + extract(HOUR FROM dt.admittime - p.dob)/24 |
|  | + extract(MINUTE FROM dt.admittime - p.dob)/24/60)/365.25 |
|  | AS age |
|  | FROM diatbl dt |
|  | INNER JOIN patients p |
|  | ON dt.subject\_id = p.subject\_id |
|  | ) |
|  | SELECT |
|  | COUNT(\*) AS TOTAL, |
|  | COUNT(CASE WHEN age >= 0 AND age < 16 THEN '0 - 15' END) AS "0-15", |
|  | COUNT(CASE WHEN age >= 16 AND age < 21 THEN '16 - 20' END) AS "16-20", |
|  | COUNT(CASE WHEN age >= 21 AND age < 26 THEN '21 - 25' END) AS "21-25", |
|  | COUNT(CASE WHEN age >= 26 AND age < 31 THEN '26 - 30' END) AS "26-30", |
|  | COUNT(CASE WHEN age >= 31 AND age < 36 THEN '31 - 35' END) AS "31-35", |
|  | COUNT(CASE WHEN age >= 36 AND age < 41 THEN '36 - 40' END) AS "36-40", |
|  | COUNT(CASE WHEN age >= 41 AND age < 46 THEN '41 - 45' END) AS "41-45", |
|  | COUNT(CASE WHEN age >= 46 AND age < 51 THEN '46 - 50' END) AS "46-50", |
|  | COUNT(CASE WHEN age >= 51 AND age < 56 THEN '51 - 55' END) AS "51-55", |
|  | COUNT(CASE WHEN age >= 56 AND age < 61 THEN '56 - 60' END) AS "56-60", |
|  | COUNT(CASE WHEN age >= 61 AND age < 66 THEN '61 - 65' END) AS "61-65", |
|  | COUNT(CASE WHEN age >= 66 AND age < 71 THEN '66 - 70' END) AS "66-70", |
|  | COUNT(CASE WHEN age >= 71 AND age < 76 THEN '71 - 75' END) AS "71-75", |
|  | COUNT(CASE WHEN age >= 76 AND age < 81 THEN '76 - 80' END) AS "76-80", |
|  | COUNT(CASE WHEN age >= 81 AND age < 86 THEN '81 - 85' END) AS "81-85", |
|  | COUNT(CASE WHEN age >= 86 AND age < 91 THEN '86 - 90' END) AS "86-91", |
|  | COUNT(CASE WHEN age >= 91 THEN 'Over 91' END) AS ">91" |
|  | FROM agetbl; |