# Example Queries

## Looking for pastors and their spouse (joining two tables)

Select

p.pers\_title ,

p.pers\_given\_name ,

p.pers\_baptism\_name,

p.pers\_middle\_name ,

p.pers\_surname ,

p.pers\_date\_of\_birth,

p.pers\_height ,

p.pers\_weight ,

p.pers\_blood c,

p.pers\_eye\_color ,

p.pers\_skincomplexion,

p.pers\_nationality ,

p.pers\_disabilitie ,

p.pers\_marital\_status,

s.sp\_given\_name ,

s.sp\_full\_name,

s.sp\_maiden\_name,

s.sp\_gender ,

s.sp\_birthdate,

s.sp\_national

from

public.tbl\_person p,

public.tbl\_spouse s

where p.pers\_spouse\_id = s.sp\_id

## Enlarge a column

ALTER TABLE public.tbl\_dependants

ALTER COLUMN dep\_dob  TYPE  character varying(15);

## Counting rows of a table

select count(\*) from tbl\_dependants

## Pastors and their dependents

select

    p.pers\_title ,

    p.pers\_given\_name ,

    p.pers\_baptism\_name,

    p.pers\_middle\_name ,

    p.pers\_surname ,

    p.pers\_date\_of\_birth,

    p.pers\_height ,

    p.pers\_weight ,

    p.pers\_blood c,

    p.pers\_eye\_color ,

    p.pers\_skincomplexion,

    p.pers\_nationality ,

    p.pers\_disabilitie ,

    p.pers\_marital\_status,

    d.dep\_name ,

    d.dep\_sex ,

    d.dep\_dob ,

    d.dep\_relation,

    d.dep\_diability,

    dp.rel\_order

from

public.tbl\_person p,

public.tbl\_dependants d,

public.tbl\_dep\_pers\_rel dp

where

1=1

and dp.rel\_pers\_id = p.pers\_id

and dp.rel\_dep\_id = d.dep\_id

select

    p.pers\_title ,

    p.pers\_given\_name ,

    p.pers\_baptism\_name,

    p.pers\_middle\_name ,

    p.pers\_surname ,

    p.pers\_date\_of\_birth,

    p.pers\_height ,

    p.pers\_weight ,

    p.pers\_blood c,

    p.pers\_eye\_color ,

    p.pers\_skincomplexion,

    p.pers\_nationality ,

    p.pers\_disabilitie ,

    p.pers\_marital\_status,

    s.es\_district,

    s.es\_circuit,

    s.es\_parish,

    s.es\_congregation

from

public.tbl\_person p,

public.tbl\_elc\_struc1 s

where

1=1

and p.pers\_elc\_struc = s.es\_id

## delete empty rows from a teble (do not forget to commit)

delete  FROM public.tbl\_spouse

where sp\_given\_name is null

and sp\_full\_name is null

and sp\_maiden\_name is null

and sp\_gender is null

and sp\_birthdate is null

and sp\_national is null

commit

DELETE FROM public.tbl\_dependants

WHERE

1=1

and dep\_name is null

and dep\_sex is null

and dep\_dob  is null

and dep\_relation is null

and dep\_diability is null

## Drop and create a table

ALTER TABLE IF EXISTS public.tbl\_dep\_pers\_rel

DROP CONSTRAINT IF EXISTS tbl\_dep\_pers\_rel\_rel\_dep\_id\_fkey;

ALTER TABLE IF EXISTS public.tbl\_dep\_pers\_rel

ADD CONSTRAINT tbl\_dep\_pers\_rel\_rel\_dep\_id\_fkey FOREIGN KEY (rel\_dep\_id)

        REFERENCES public.tbl\_dependants (dep\_id) MATCH SIMPLE

        ON UPDATE NO ACTION

        ON DELETE CASCADE

        NOT VALID

## Looking for double data

SELECT pers\_given\_name||' ' ||pers\_baptism\_name||' ' ||pers\_middle\_name||' ' ||pers\_surname

, COUNT(\*)

FROM public.tbl\_person

GROUP BY pers\_given\_name||' ' ||pers\_baptism\_name||' ' ||pers\_middle\_name||' ' ||pers\_surname

HAVING COUNT(\*) > 1;

## Playing with numbers

select avg(pers\_height)

from tbl\_person

select min(pers\_height)

from tbl\_person

select max(pers\_height)

from tbl\_person

select pers\_height, count(pers\_height)

from tbl\_person

group by pers\_height

order by pers\_height

## More selects

select p.pers\_title ,

p.pers\_given\_name,

p.pers\_baptism\_name,

p.pers\_middle\_name ,

p.pers\_surname,

s.svc\_role,

s.svc\_year,

s.svc\_district,

s.svc\_circuit,

s. svc\_par\_cong\_inst

from public.tbl\_person p,

public.tbl\_service\_area s

where p.pers\_id = s.svc\_id

order by s.svc\_id, svc\_order\_id

UPDATE public.tbl\_service\_area

    SET svc\_role='Evangelist'

    WHERE svc\_role in ('Evangelistelist',

'EVANGELSIT',

'EVANGLIST',

'Evegelism',

'Envangelist',

'Evan.',

'Evangalist',

'Evangelism',

'evangelist',

'Evengelist',

'Evn',

'evn',

'Evagelist',

'Evagelism',

'Evangelis',

'EVANGELIST',

'Evangelist',

'Evegelist',

'Evengelis',

'Evengelis' )

## Doing an update

update

update tbl\_dependants

set dep\_sex = 'F'

where dep\_sex = 'f'

## Set the name to begin with uppercase (Michael or MICHAEL to Michael)

UPDATE public.tbl\_person

SET pers\_given\_name = INITCAP(LOWER(pers\_given\_name))

## Delete all empty rows

DELETE FROM public.tbl\_service\_area

    WHERE svc\_role is null and

svc\_year is null and

svc\_district is null and

svc\_circuit is null and

svc\_par\_cong\_inst is null

Setting the timezone

ALTER DATABASE postgres SET timezone TO 'GMT -10';

Checking it

SELECT CURRENT\_TIMESTAMP;