-- HANDS ON

DROP TABLE IF EXISTS #titanic\_andre\_kato

SELECT

\*,

CASE WHEN Name LIKE '%, Dr. %' THEN 'Doutor'

WHEN Name LIKE '%, Master. %' THEN 'Mestre'

WHEN Name LIKE '%, Mr. %' THEN 'Senhor'

WHEN Name LIKE '%, Mrs. %' THEN 'Senhora'

WHEN Name LIKE '%, Miss. %' THEN 'Senhorita'

WHEN Name LIKE '%, Rev. %' THEN 'Reverendo'

ELSE 'Outros'

END AS Titulo,

CASE WHEN Age > 100 THEN FLOOR(Age/10)

ELSE Age

END AS Age\_Tratada

INTO

#titanic\_andre\_kato

FROM

titanic

DROP TABLE IF EXISTS #titanic\_faixa\_etaria\_andre\_kato

SELECT

\*,

CASE WHEN Age\_tratada IS NULL THEN 'Z - Não identificada'

WHEN Age\_tratada <= 10 THEN 'A - Até 10 anos'

WHEN Age\_tratada <= 20 THEN 'B - Até 20 anos'

WHEN Age\_tratada <= 30 THEN 'C - Até 30 anos'

WHEN Age\_tratada <= 40 THEN 'D - Até 40 anos'

WHEN Age\_tratada <= 50 THEN 'E - Até 50 anos'

WHEN Age\_tratada <= 60 THEN 'F - Até 60 anos'

WHEN Age\_tratada <= 70 THEN 'G - Até 70 anos'

ELSE 'H - Acima de 70 anos'

END as Faixa\_etaria

INTO

#titanic\_faixa\_etaria\_andre\_kato

FROM

#titanic\_andre\_kato

-- IV por faixa etaria

DROP TABLE IF EXISTS #IV\_faixa\_etaria\_1\_etapa\_andre\_kato

SELECT

faixa\_etaria,

SUM(CAST(Survived AS FLOAT)) as abs\_Sobreviveu,

SUM(1-Survived) AS abs\_Nao\_Sobreviveu,

SUM(CAST(Survived AS FLOAT)) / (SELECT SUM(CAST(Survived AS FLOAT)) FROM titanic) AS rel\_Sobreviveu,

CAST(SUM(1-Survived) AS FLOAT) / (SELECT SUM(1-Survived) FROM titanic) AS rel\_Nao\_Sobreviveu,

COUNT(\*) as freq\_abs,

CAST(COUNT(\*) AS FLOAT) / (SELECT COUNT(\*) FROM titanic) as freq\_rel,

SUM(CAST(Survived AS FLOAT))/COUNT(\*) as Taxa\_Sobrevivencia

INTO

#IV\_faixa\_etaria\_1\_etapa\_andre\_kato

FROM

#titanic\_faixa\_etaria\_andre\_kato

GROUP BY

faixa\_etaria

SELECT

\*

FROM

#IV\_faixa\_etaria\_1\_etapa\_andre\_kato

ORDER BY

faixa\_etaria

DROP TABLE IF EXISTS #IV\_faixa\_etaria\_2\_etapa\_andre\_kato

SELECT

\*,

rel\_Sobreviveu/rel\_Nao\_Sobreviveu as odds,

LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu) as ln\_odds,

(rel\_Sobreviveu - rel\_Nao\_Sobreviveu)\*LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu) AS parcial\_IV

INTO

#IV\_faixa\_etaria\_2\_etapa\_andre\_kato

FROM

#IV\_faixa\_etaria\_1\_etapa\_andre\_kato

SELECT

\*

FROM

#IV\_faixa\_etaria\_2\_etapa\_andre\_kato

ORDER BY

faixa\_etaria

SELECT

SUM(parcial\_IV) AS IV

FROM

#IV\_faixa\_etaria\_2\_etapa\_andre\_kato

-- IV por Sexo

DROP TABLE IF EXISTS #IV\_sex\_1\_etapa\_andre\_kato

SELECT

sex,

SUM(CAST(Survived AS FLOAT)) as abs\_Sobreviveu,

SUM(1-Survived) AS abs\_Nao\_Sobreviveu,

SUM(CAST(Survived AS FLOAT)) / (SELECT SUM(CAST(Survived AS FLOAT)) FROM titanic) AS rel\_Sobreviveu,

CAST(SUM(1-Survived) AS FLOAT) / (SELECT SUM(1-Survived) FROM titanic) AS rel\_Nao\_Sobreviveu,

COUNT(\*) as freq\_abs,

CAST(COUNT(\*) AS FLOAT) / (SELECT COUNT(\*) FROM titanic) as freq\_rel,

SUM(CAST(Survived AS FLOAT))/COUNT(\*) as Taxa\_Sobrevivencia

INTO

#IV\_sex\_1\_etapa\_andre\_kato

FROM

#titanic\_faixa\_etaria\_andre\_kato

GROUP BY

sex

SELECT

\*

FROM

#IV\_sex\_1\_etapa\_andre\_kato

ORDER BY

sex

DROP TABLE IF EXISTS #IV\_sex\_2\_etapa\_andre\_kato

SELECT

\*,

rel\_Sobreviveu/rel\_Nao\_Sobreviveu as odds,

LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu) as ln\_odds,

(rel\_Sobreviveu - rel\_Nao\_Sobreviveu)\*LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu) AS parcial\_IV

INTO

#IV\_sex\_2\_etapa\_andre\_kato

FROM

#IV\_sex\_1\_etapa\_andre\_kato

SELECT

\*

FROM

#IV\_sex\_2\_etapa\_andre\_kato

ORDER BY

sex

SELECT

SUM(parcial\_IV) AS IV

FROM

#IV\_sex\_2\_etapa\_andre\_kato

-- IV por Titulo

DROP TABLE IF EXISTS #IV\_titulo\_1\_etapa\_andre\_kato

SELECT

titulo,

SUM(CAST(Survived AS FLOAT)) as abs\_Sobreviveu,

SUM(1-Survived) AS abs\_Nao\_Sobreviveu,

SUM(CAST(Survived AS FLOAT)) / (SELECT SUM(CAST(Survived AS FLOAT)) FROM titanic) AS rel\_Sobreviveu,

CAST(SUM(1-Survived) AS FLOAT) / (SELECT SUM(1-Survived) FROM titanic) AS rel\_Nao\_Sobreviveu,

COUNT(\*) as freq\_abs,

CAST(COUNT(\*) AS FLOAT) / (SELECT COUNT(\*) FROM titanic) as freq\_rel,

SUM(CAST(Survived AS FLOAT))/COUNT(\*) as Taxa\_Sobrevivencia

INTO

#IV\_titulo\_1\_etapa\_andre\_kato

FROM

#titanic\_faixa\_etaria\_andre\_kato

GROUP BY

titulo

SELECT

\*

FROM

#IV\_titulo\_1\_etapa\_andre\_kato

ORDER BY

titulo

SELECT

Name,

Titulo

FROM

#titanic\_faixa\_etaria\_andre\_kato

WHERE

titulo = 'Outros'

DROP TABLE IF EXISTS #IV\_titulo\_2\_etapa\_andre\_kato

SELECT

\*,

CASE WHEN rel\_Nao\_Sobreviveu = 0 THEN NULL

ELSE rel\_Sobreviveu/rel\_Nao\_Sobreviveu

END as odds,

CASE WHEN rel\_Sobreviveu = 0 OR rel\_Nao\_Sobreviveu = 0 THEN NULL

ELSE LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu)

END as ln\_odds,

CASE WHEN rel\_Sobreviveu = 0 OR rel\_Nao\_Sobreviveu = 0 THEN NULL

ELSE (rel\_Sobreviveu - rel\_Nao\_Sobreviveu)\*LOG(rel\_Sobreviveu/rel\_Nao\_Sobreviveu)

END AS parcial\_IV

INTO

#IV\_titulo\_2\_etapa\_andre\_kato

FROM

#IV\_titulo\_1\_etapa\_andre\_kato

SELECT

\*

FROM

#IV\_titulo\_2\_etapa\_andre\_kato

ORDER BY

titulo

SELECT

SUM(parcial\_IV) AS IV

FROM

#IV\_titulo\_2\_etapa\_andre\_kato

Comandos referente o CASE 2

SELECT  
e.\*,  
l.\*,  
s.\*  
FROM  
db\_tickit.date AS dt\_event  
JOIN db\_tickit.event AS e  
ON dt\_event.dateid = e.dateid  
JOIN db\_tickit.listing AS l  
ON l.eventid = e.eventid  
JOIN db\_tickit.date AS dt\_listing  
ON l.dateid = dt\_listing.dateid  
LEFT JOIN db\_tickit.sales AS s  
ON s.listid = l.listid  
LEFT JOIN db\_tickit.date AS dt\_sales  
ON s.dateid = dt\_sales.dateid