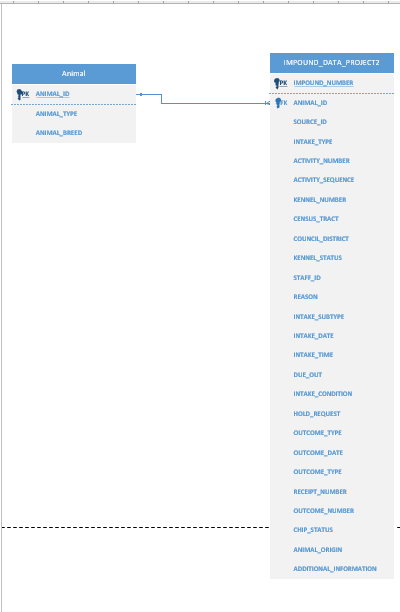
PROJECT 2::

ER DIAGRAM::



CREATE AND INSERT STATEMENT::

CREATE TABLE project2\_temporary\_table(

animal\_id VARCHAR2(200 BYTE),

animal\_type VARCHAR2(200 BYTE),

animal\_breed VARCHAR2(200 BYTE),

kennel\_number VARCHAR2(200 BYTE),

kennel\_status VARCHAR2(200 BYTE),

activity\_number VARCHAR2(200 BYTE),

activity\_sequence VARCHAR2(200 BYTE),

source\_id VARCHAR2(200 BYTE),

census\_tract VARCHAR2(200 BYTE),

council\_district VARCHAR2(200 BYTE),

intake\_type VARCHAR2(200 BYTE),

intake\_subtype VARCHAR2(200 BYTE),

reason VARCHAR2(200 BYTE),

staff\_id VARCHAR2(200 BYTE),

intake\_date VARCHAR2(200 BYTE),

intake\_time VARCHAR2(200 BYTE),

due\_out VARCHAR2(200 BYTE),

intake\_condition VARCHAR2(200 BYTE),

hold\_request VARCHAR2(200 BYTE),

outcome\_type VARCHAR2(200 BYTE),

outcome\_subtype VARCHAR2(200 BYTE),

outcome\_date VARCHAR2(200 BYTE),

outcome\_time VARCHAR2(200 BYTE),

receipt\_number VARCHAR2(200 BYTE),

impound\_number VARCHAR2(200 BYTE),

outcome\_condition VARCHAR2(200 BYTE),

chip\_status VARCHAR2(200 BYTE),

animal\_origin VARCHAR2(200 BYTE),

additional\_information VARCHAR2(200 BYTE)

);

commit;

CREATE TABLE project2\_source\_data (

animal\_id VARCHAR2(200 BYTE),

animal\_type VARCHAR2(200 BYTE),

animal\_breed VARCHAR2(200 BYTE),

kennel\_number VARCHAR2(200 BYTE),

kennel\_status VARCHAR2(200 BYTE),

activity\_number VARCHAR2(200 BYTE),

activity\_sequence NUMBER(38, 0),

source\_id VARCHAR2(200 BYTE),

census\_tract VARCHAR2(200 BYTE),

council\_district VARCHAR2(200 BYTE),

intake\_type VARCHAR2(200 BYTE),

intake\_subtype VARCHAR2(200 BYTE),

reason VARCHAR2(200 BYTE),

staff\_id VARCHAR2(200 BYTE),

intake\_date DATE,

intake\_time VARCHAR2(200 BYTE),

due\_out DATE,

intake\_condition VARCHAR2(200 BYTE),

hold\_request VARCHAR2(200 BYTE),

outcome\_type VARCHAR2(200 BYTE),

outcome\_subtype VARCHAR2(200 BYTE),

outcome\_date DATE,

outcome\_time VARCHAR2(200 BYTE),

receipt\_number VARCHAR2(200 BYTE),

impound\_number VARCHAR2(200 BYTE),

outcome\_condition VARCHAR2(200 BYTE),

chip\_status VARCHAR2(200 BYTE),

animal\_origin VARCHAR2(200 BYTE),

additional\_information VARCHAR2(200 BYTE)

);

commit;

CREATE TABLE ANIMAL (

animal\_id VARCHAR2(200 BYTE),

animal\_type VARCHAR2(200 BYTE),

animal\_breed VARCHAR2(200 BYTE),

CONSTRAINT primarykeyanimal PRIMARY KEY ( animal\_id )

);

commit;

CREATE TABLE impound\_data\_project2(

impound\_number VARCHAR2(200 BYTE),

animal\_id VARCHAR2(200 BYTE),

kennel\_number VARCHAR2(200 BYTE),

kennel\_status VARCHAR2(200 BYTE),

activity\_number VARCHAR2(200 BYTE),

activity\_sequence VARCHAR2(200 BYTE),

source\_id VARCHAR2(200 BYTE),

census\_tract VARCHAR2(200 BYTE),

council\_district VARCHAR2(200 BYTE),

intake\_type VARCHAR2(200 BYTE),

intake\_subtype VARCHAR2(200 BYTE),

reason VARCHAR2(200 BYTE),

staff\_id VARCHAR2(200 BYTE),

intake\_date DATE,

intake\_time VARCHAR2(200 BYTE),

due\_out DATE,

intake\_condition VARCHAR2(200 BYTE),

hold\_request VARCHAR2(200 BYTE),

outcome\_type VARCHAR2(200 BYTE),

outcome\_subtype VARCHAR2(200 BYTE),

outcome\_date DATE,

outcome\_time VARCHAR2(200 BYTE),

receipt\_number VARCHAR2(200 BYTE),

outcome\_condition VARCHAR2(200 BYTE),

chip\_status VARCHAR2(200 BYTE),

animal\_origin VARCHAR2(200 BYTE),

aditional\_information VARCHAR2(200 BYTE),

CONSTRAINT primarykeyimpound PRIMARY KEY ( impound\_number ),

CONSTRAINT foreignkeyimpound FOREIGN KEY ( animal\_id )

REFERENCES animal

);

commit;

DELETE FROM project2\_temporary\_table

WHERE

intake\_date IN (

SELECT

intake\_date

FROM

(

SELECT

impound\_number,

intake\_date,

ROW\_NUMBER() OVER(

PARTITION BY impound\_number

ORDER BY

intake\_date

) AS rank

FROM

project2\_temporary\_table

)

WHERE

rank > 1

);

commit;

INSERT INTO project2\_temporary\_table (

animal\_id,

animal\_type,

animal\_breed,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

intake\_date,

intake\_time,

due\_out,

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

outcome\_date,

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

additional\_information

)

( SELECT DISTINCT

animal\_id,

animal\_type,

animal\_breed,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

intake\_date,

intake\_time,

due\_out,

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

nvl(outcome\_date, '01/01/1969'),

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

additional\_information

FROM

project2.project2\_data

);

commit;

INSERT INTO project2\_source\_data (

animal\_id,

animal\_type,

animal\_breed,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

intake\_date,

intake\_time,

due\_out,

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

outcome\_date,

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

additional\_information

)

( SELECT DISTINCT

animal\_id,

animal\_type,

animal\_breed,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

trunc(to\_date(SUBSTR(intake\_date, 1, 10),'MM/DD/YYYY')),

intake\_time,

trunc(to\_date(SUBSTR(due\_out, 1, 10),'MM/DD/YYYY')),

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

trunc(to\_date(SUBSTR(outcome\_date, 1, 10),'MM/DD/YYYY')),

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

additional\_information

FROM

project2\_temporary\_table

);

commit;

CREATE TABLE ANIMAL\_TEMPORARY\_TABLE (

animal\_id VARCHAR(12),

animal\_type VARCHAR(20),

animal\_breed VARCHAR(15),

RANKOD INT

);

commit;

INSERT INTO ANIMAL\_TEMPORARY\_TABLE

SELECT

animal\_id,

animal\_type,

animal\_breed,

ROW\_NUMBER() OVER(

PARTITION BY animal\_id

ORDER BY

animal\_breed

) AS RANKOD

FROM

project2\_source\_data;

commit;

INSERT INTO ANIMAL (

animal\_id,

animal\_type,

animal\_breed

)

( SELECT DISTINCT

animal\_id,

animal\_type,

animal\_breed

FROM

ANIMAL\_TEMPORARY\_TABLE

WHERE

RANKOD = 1

);

commit;

INSERT INTO IMPOUND\_DATA\_PROJECT2 (

animal\_id,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

intake\_date,

intake\_time,

due\_out,

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

outcome\_date,

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

aditional\_information

)

( SELECT DISTINCT

animal\_id,

kennel\_number,

kennel\_status,

activity\_number,

activity\_sequence,

source\_id,

census\_tract,

council\_district,

intake\_type,

intake\_subtype,

reason,

staff\_id,

intake\_date,

intake\_time,

due\_out,

intake\_condition,

hold\_request,

outcome\_type,

outcome\_subtype,

outcome\_date,

outcome\_time,

receipt\_number,

impound\_number,

outcome\_condition,

chip\_status,

animal\_origin,

additional\_information

FROM

project2\_source\_data

);

commit;

**REPORT 1::**

**SELECT**

**type,**

**breed,**

**breed\_survived**

**|| ''**

**|| '%' AS percentage,**

**survived\_count,**

**year**

**FROM**

**(**

**SELECT**

**type,**

**breed,**

**year,**

**survived\_count,**

**breed\_survived,**

**RANK() OVER(**

**PARTITION BY type, year**

**ORDER BY**

**breed\_survived DESC**

**) AS rank**

**FROM**

**(**

**SELECT**

**x.type AS type,**

**x.breed AS breed,**

**x.year AS year,**

**x.survived\_count AS survived\_count,**

**y.total\_count,**

**round((x.survived\_count / y.total\_count) \* 100, 2) AS breed\_survived**

**FROM**

**(**

**SELECT**

**a.animal\_type AS type,**

**a.animal\_breed AS breed,**

**COUNT(a.animal\_id) AS survived\_count,**

**EXTRACT(YEAR FROM b.intake\_date) AS year**

**FROM**

**ANIMAL a,**

**IMPOUND\_DATA\_PROJECT2 b**

**WHERE**

**a.animal\_id = b.animal\_id**

**AND a.animal\_type IN (**

**'CAT',**

**'DOG'**

**)**

**AND to\_char(b.intake\_date, 'YYYY') > '2016'**

**AND to\_char(b.intake\_date, 'YYYY') < '2021'**

**AND b.outcome\_type NOT IN (**

**'DIED',**

**'DEAD ON ARRIVAL',**

**'EUTHANIZED',**

**'DISPOSAL',**

**'MISSING',**

**'OTHER'**

**)**

**GROUP BY**

**a.animal\_type,**

**a.animal\_breed,**

**EXTRACT(YEAR FROM b.intake\_date)**

**HAVING**

**COUNT(a.animal\_id) > 200**

**) x,**

**(**

**SELECT**

**a.animal\_type AS type,**

**a.animal\_breed AS breed,**

**COUNT(a.animal\_id) AS total\_count,**

**EXTRACT(YEAR FROM b.intake\_date) AS year**

**FROM**

**ANIMAL a,**

**IMPOUND\_DATA\_PROJECT2 b**

**WHERE**

**a.animal\_id = b.animal\_id**

**AND a.animal\_type IN (**

**'CAT',**

**'DOG'**

**)**

**AND to\_char(b.intake\_date, 'YYYY') > '2016'**

**AND to\_char(b.intake\_date, 'YYYY') < '2021'**

**GROUP BY**

**a.animal\_type,**

**a.animal\_breed,**

**EXTRACT(YEAR FROM b.intake\_date)**

**HAVING**

**COUNT(a.animal\_id) > 200**

**) y**

**WHERE**

**x.type = y.type**

**AND x.breed = y.breed**

**AND x.year = y.year**

**ORDER BY**

**x.year**

**)**

**ORDER BY**

**rank,**

**year**

**)**

**WHERE**

**rank = 1**

**ORDER BY**

**year,**

**type;**

**commit;**

**RESULT REPORT 1::**

TYPE BREED PERCENTAGE SURVIVED\_COUNT YEAR

-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------- -------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------- ----------------------------------------- -------------- ----------

CAT DOMESTIC SH 68.88% 1069 2017

DOG CAIRN TERRIER 92.83% 207 2017

CAT DOMESTIC MH 80.56% 485 2018

DOG CAIRN TERRIER 95.24% 841 2018

CAT DOMESTIC MH 86.69% 892 2019

DOG DACHSHUND 97.48% 348 2019

CAT DOMESTIC SH 87.06% 5119 2020

DOG AUST CATTLE DOG 96.64% 288 2020

8 rows selected.

**REPORT 2::**

SELECT

intake\_type,

outcome\_type,

intake\_total,

outcome\_total,

in\_out\_total,

percent\_intake\_total,

round((in\_out\_total / intake\_total) \* 100, 2) AS percent\_total\_intake,

round((in\_out\_total / outcome\_total) \* 100, 2) AS percent\_total\_outcome

FROM

(

SELECT

intake\_type,

outcome\_type,

intake\_total,

outcome\_total,

( intake\_total + outcome\_total ) AS in\_out\_total,

round((intake\_total / animal\_total) \* 100, 2) AS percent\_intake\_total

FROM

(

SELECT DISTINCT

i.intake\_type,

i.outcome\_type,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY i.intake\_type

) AS intake\_total,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY i.outcome\_type

) AS outcome\_total,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY a.animal\_type

) AS animal\_total

FROM

ANIMAL a,

IMPOUND\_DATA\_PROJECT2 i

WHERE

a.animal\_id = i.animal\_id

AND a.animal\_type = 'DOG'

ORDER BY

i.intake\_type,

i.outcome\_type

)

);

commit;

SELECT

intake\_type,

outcome\_type,

intake\_total,

outcome\_total,

in\_out\_total,

percent\_intake\_total,

round((in\_out\_total / intake\_total) \* 100, 2) AS percent\_total\_intake,

round((in\_out\_total / outcome\_total) \* 100, 2) AS percent\_total\_outcome

FROM

(

SELECT

intake\_type,

outcome\_type,

intake\_total,

outcome\_total,

( intake\_total + outcome\_total ) AS in\_out\_total,

round((intake\_total / animal\_total) \* 100, 2) AS percent\_intake\_total

FROM

(

SELECT DISTINCT

i.intake\_type,

i.outcome\_type,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY i.intake\_type

) AS intake\_total,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY i.outcome\_type

) AS outcome\_total,

COUNT(DISTINCT a.animal\_id) OVER(

PARTITION BY a.animal\_type

) AS animal\_total

FROM

ANIMAL a,

IMPOUND\_DATA\_PROJECT2 i

WHERE

a.animal\_id = i.animal\_id

AND a.animal\_type = 'CAT'

ORDER BY

i.intake\_type,

i.outcome\_type

)

);

commit;

**OUTPUT2::**

Machine generated alternative text:
S 
735.54 
114. 58 
log. 36 
102.13 
339.88 
148.24 
115.44 
425. 85 
107.0 
129. 
434. 94 
119.17 
591.11 
120. 36 
198. 77 
201.25 
>Query Result 
cript Output x 
SQL 
Fetched SO rons in 0.562 seconds 
INTAKE TYPE 
CONFISCATED 
2 CONFISCATED 
3 CONFISCATED 
4 CONFISCATED 
S CONFISCATED 
6 CONFISCATED 
7 CONFISCATED 
8 CONFISCATED 
9 CONFISCATED 
10 CONFISCATED 
11 
DISPOS 
2 DISPOS 
13 DISPOS 
14 
FOSTER 
15 
FOSTER 
16 
FOSTER 
17 
FOSTER 
18 
FOSTER 
OUTCOME TYPE 
ADOPTION 
DEAD ON APRIVÅL 
DIED 
DISPOSAL 
EUTHANIZED 
INTAKE 
TOTAL 
3984 
3984 
3984 
3984 
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OUTCOME 
O TAL 
25320 
9557 
€15 
€15 
25320 
9557 
IN 
OUT 
TOTAL 
29304 
4565 
4357 
4069 
13541 
4024 
4599 
25804 
€55 
2319 
11503 
3868 
PERCENT 
INTAKE 
TOTAL 
5.68 
5.68 
5.68 
5.68 
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5.68 
5.68 
5.68 
5.68 
5.68 
o. 06 
o. 06 
o. 06 
2.78 
2.78 
2.78 
2.78 
2.78 
PERCENT 
TOTAL 
FOSTER 
MISSING 
PE TUPIIED 
TRANSFER 
DIED 
DISPOSAL 
ADOPTION 
TO 
OWNER 
INTAKE 
€47.69 
1032.5 
312.5 
1637.5 
1401.1 
DEAD ON APRIVÅL 
D IED 
EUTHANIZED 
FOSTER 
PERCENT TOTAL OUTCOME 
115.73 
785. 
1168.1 
4787. 
141.69 
307.28 
10060 
747.8 
118. 
130.69 
110. 72 
147. 
106.5 
Cl. 72 

Screen clipping taken: 09-05-2021 10:33

Machine generated alternative text:
Lascript Output x >Query Result 
SQL 
Fetched SO rons in 0.246 seconds 
INTAKE TYPE 
CONFISCATED 
2 CONFISCATED 
3 CONFISCATED 
4 CONFISCATED 
S CONFISCATED 
6 CONFISCATED 
7 CONFISCATED 
8 CONFISCATED 
9 CONFISCATED 
10 DISPOS PEQ 
11 
DISPOS PEQ 
12 
FOSTER 
13 
FOSTER 
14 
FOSTER 
15 
FOSTER 
16 
FOSTER 
17 
FOSTER 
18 
FOSTER 
OUTCOME TYPE 
ADOPTION 
DEAD ON APRIVÅL 
DIED 
DISPOSAL 
EUTHANIZED 
INTAKE 
TOTAL 
4280 
4280 
4280 
4280 
4280 
4280 
4280 
OUTCOME 
O TAL 
8960 
4152 
4257 
4152 
4257 
IN 
OUT 
TOTAL 
9491 
764 
1241 
4683 
4788 
€15 
964 
13240 
4990 
4322 
8432 
8537 
4312 
PERCENT 
INTAKE 
TOTAL 
PERCENT 
TOTAL INTAKE 
1787.38 
PERCENT TOTAL OUTCOME 
105.93 
327. g 
FOSTER 
PE TUPIIED 
TRANSFER 
DIED 
DISPOSAL 
ADOPTION 
TO 
OWNER 
143.88 
233.71 
174. 
107. gl 
1364. 
881.92 
112. 79 
901. Eg 
_112.47 
115.82 
732.14 
181.54 
222.63 
106. 84 
102. ge 
18.64 
309.35 
147.77 
18.64 
105.44 
18.64 
11E.5g 
702.82 
18.64 
_100.98 
18.64 
197.01 
203.08 
18.64 
199.46 
200.54 
18.64 
100. 75 
15". 52 
3480.95 
DEAD ON APRIVÅL 
DIED 
DISPOSAL 
EUTHANIZED 
FOSTER 
MISSING 
1936.9 
10290. 48 
13475 