1. Count by accident type  
     
   LIBNAME NUCLEUS BASE "H:\MyProject\NucleusDB" ;

**PROC** **SQL**;

create table work.combined as

select Accident\_Type from NUCLEUS.'2014\_abt.sas7bdat'n

UNION ALL

SELECT Accident\_Type from NUCLEUS.'2015\_ABT.SAS7BDAT'N

union all

select Accident\_Type from nucleus.'2016\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2017\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2018\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2019\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2020\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2021\_abt.sas7bdat'n

union all

select Accident\_Type from nucleus.'2022\_abt.sas7bdat'n

QUIT;

**PROC** **SQL** outobs=**10**;

CREATE TABLE work.accident\_counts as

select Accident\_Type, count(\*) as accident\_count

from work.combined

group by Accident\_Type

order by accident\_count desc;

**QUIT**;

1. Accident by Day:  
     
   LIBNAME NUCLEUS BASE "H:\MyProject\NucleusDB" ;

**PROC** **SQL**;

create table work.combined as

select Day\_of\_week from NUCLEUS.'2014\_abt.sas7bdat'n

UNION ALL

SELECT Day\_of\_week from NUCLEUS.'2015\_ABT.sas7bdat'N

union all

select Day\_of\_week from nucleus.'2016\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2017\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2018\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2019\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2020\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2021\_abt.sas7bdat'n

union all

select Day\_of\_week from nucleus.'2022\_abt.sas7bdat'n;

**QUIT**;

**PROC** **SQL**;

CREATE TABLE work.day\_counts as

select Day\_of\_week, count(\*) as day\_count

from work.combined

group by Day\_of\_week

order by day\_count desc;

**QUIT**;

1. CASE CHANGES MADE IN ABT FILES:  
     
   **PROC** **SQL**;

CREATE TABLE WORK.FILTER\_FOR\_2022\_ABT\_SAS7BDAT AS

SELECT t1.Day\_of\_week

FROM NUCLEUS.'2022\_ABT.SAS7BDAT'n t1

WHERE t1.Day\_of\_week = 'sunday';

**QUIT**;

**DATA** NUCLEUS.'2014\_abt.sas7bdat'n;

SET nucleus.'2014\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2015\_abt.sas7bdat'n;

SET nucleus.'2015\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2016\_abt.sas7bdat'n;

SET nucleus.'2016\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2017\_abt.sas7bdat'n;

SET nucleus.'2017\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2018\_abt.sas7bdat'n;

SET nucleus.'2018\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2019\_abt.sas7bdat'n;

SET nucleus.'2019\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2020\_abt.sas7bdat'n;

SET nucleus.'2020\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2021\_abt.sas7bdat'n;

SET nucleus.'2021\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

**DATA** NUCLEUS.'2022\_abt.sas7bdat'n;

SET nucleus.'2022\_abt.sas7bdat'n;

IF day\_of\_week = 'sunday' THEN day\_of\_week = 'Sunday';

**RUN**;

1. Accident by year  
     
   LIBNAME NUCLEUS BASE "H:\MyProject\NucleusDB" ;

**PROC** **SQL**;

create table work.combined as

select **2014** as year, count(\*) as accidents

from nucleus.'2014\_abt.sas7bdat'n

union all

select **2015** as year, count(\*) as accidents

from NUCLEUS.'2015\_abt.sas7bdat'n

union all

select **2016** as year, count(\*) as accidents

from NUCLEUS.'2016\_abt.sas7bdat'n

union all

select **2017** as year, count(\*) as accidents

from NUCLEUS.'2017\_abt.sas7bdat'n

union all

select **2018** as year, count(\*) as accidents

from NUCLEUS.'2018\_abt.sas7bdat'n

union all

select **2019** as year, count(\*) as accidents

from NUCLEUS.'2019\_abt.sas7bdat'n

union all

select **2020** as year, count(\*) as accidents

from NUCLEUS.'2020\_abt.sas7bdat'n

union all

select **2021** as year, count(\*) as accidents

from NUCLEUS.'2021\_abt.sas7bdat'n

union all

select **2022** as year, count(\*) as accidents

from NUCLEUS.'2022\_abt.sas7bdat'n;

**quit**;

1. **Accident by Vehicle:  
     
   PROC** **SQL**;

create table work.combined as

select Vehicle\_Type from NUCLEUS.'2014\_via.sas7bdat'n

UNION ALL

SELECT Vehicle\_Type from NUCLEUS.'2015\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2016\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2017\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2018\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2019\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2020\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2021\_via.sas7bdat'n

union all

select Vehicle\_Type from nucleus.'2022\_via.sas7bdat'n;

**QUIT**;  
  
**PROC** **SQL** OUTOBS=**5**;

CREATE TABLE work.vehicle\_counts as

select Vehicle\_Type, count(\*) as vehicle\_count

from work.combined

group by Vehicle\_Type

order by vehicle\_count desc

;

**QUIT**;

**PROC** **SQL**;

create table work.combined as

select Vehicle\_Types, Proprietary\_nationality from NUCLEUS.'2014\_pvn.sas7bdat'n

UNION ALL

SELECT Vehicle\_Types, Proprietary\_nationality from NUCLEUS.'2015\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2016\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2017\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2018\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2019\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2020\_pvn.sas7bdat'n

union all

select Vehicle\_Types, Proprietary\_nationality from nucleus.'2021\_pvn.sas7bdat'n;

**QUIT**;

**PROC** **SQL**;

CREATE TABLE work.temp3 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2016\_pvn.sas7bdat'n;

CREATE TABLE work.temp4 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2017\_pvn.sas7bdat'n;

CREATE TABLE work.temp5 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2018\_pvn.sas7bdat'n;

CREATE TABLE work.temp6 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2019\_pvn.sas7bdat'n;

CREATE TABLE work.temp7 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2020\_pvn.sas7bdat'n;

CREATE TABLE work.temp8 AS SELECT Proprietary\_nationality FROM NUCLEUS.'2021\_pvn.sas7bdat'n;

CREATE TABLE work.combined AS

SELECT \* FROM work.temp1

UNION ALL

SELECT \* FROM work.temp2

UNION ALL

SELECT \* FROM work.temp3

UNION ALL

SELECT \* FROM work.temp4

UNION ALL

SELECT \* FROM work.temp5

UNION ALL

SELECT \* FROM work.temp6

UNION ALL

SELECT \* FROM work.temp7

UNION ALL

SELECT \* FROM work.temp8

UNION ALL

SELECT \* FROM work.temp9

;

**QUIT**;

**PROC** **SQL**;

CREATE TABLE work.nationality\_counts as

select Proprietary\_nationality, count(\*) as nationality\_count

from work.combined

group by Proprietary\_nationality

order by nationality\_count desc

;

**QUIT**;