

**Execution Environment**

Author: di00222@surrey.ac.uk  
 File: File: /export/viya/homes/di00222@surrey.ac.uk/casuser/Road\_Accident\_SQLMerge\_Descriprion.flw  
 SAS Context: SAS Studio compute context  
 SAS Version: V.04,00M0P091624  
 SAS Client: SAS® Studio 6.0  
 SAS Locale:  
 Submission Time: May 7, 2025, 1:46:00 PM  
 Time Zone: GMT+01:00  
 User Agent: Chrome 135.0.0.0

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**Code:Road\_Accident\_SQLMerge\_Descriprion.flw**

```

/*=====
* Flow:      Road_Accident_SQLMerge_Descriprion.flw
* ID:
* Created:   2025-05-07T12:45:45.323339914Z
* Created by: di00222@surrey.ac.uk
* Modified:   2025-05-07T12:45:45.323339914Z
* Modified by: di00222@surrey.ac.uk
*
* Output Tables:
*   WORK.PED_CROSS_PHY_FACIL
*   WORK.PED_CROSS_HUM_CON
*   WORK.JUNC_DETAIL
*   WORK.Cleaned_Road_Accident_2021_Final
*   WORK.URB_OR_RUR
*   WORK.WEATH_CON
*   WORK.SPEC_CON_SITE
*   WORK.ROAD_TYPE
*   WORK.ROAD_SURF_CON
*   WORK.LIGHT_CON
*   WORK.CARRI_HAZ
*
* Version:    DataFlows lts 2024.09 (20250113.1736793992259)
*
* Generated On: 2025-05-07T12:45:45.323339914Z
* Generated by: di00222@surrey.ac.uk
=====*/
/* region: Generated preamble */

/* Make sure the current directory is writable */
data _null_;
  length rc 4;
  %let tworkloc="%sysfunc(getoption(work))";
  rc=dlgkdir(&tworkloc);
run;

/* Setup options */
title;
footnote;
options validvarname=any;
options validmemname=extend;
options dtreset date number;
options device=png;

/* Setup macro variables */
%let syscc=0;
%let _clientapp = %nrquote(%nrstr(SAS Studio));
%let _clientappabbrev = %nrquote(%nrstr(Studio));
%let _clientappversion=2024.09;
%let _clientversion=6.1054.31;
%let _sasservername=&SYSHOSTNAME;
%let _sashostname=&SYSHOSTNAME;
%let _sasprogramfilehost=&SYSHOSTNAME;
%let _clientuserid = %nrquote(%nrstr(di00222@surrey.ac.uk));
%let _clientusername = %nrquote(%nrstr(di00222@surrey.ac.uk));
%let clientmachine = %nrquote(%nrstr());
%let _clientmachine = %nrquote(%nrstr());
%let _clientmode = %nrquote(%nrstr(viya));
%let sasworklocation=%sysfunc(getoption(work))/";
filename _cwd &sasworklocation;
data _null_;
  call symput('_sasworkingdir',pathname('_cwd'));
run;
filename _cwd;
%let _sasprogramfile = %nrquote(%nrstr());
%let _baseurl = %nrquote(%nrstr(https://vfl-040.engage.sas.com/SASStudio/));
%let _execenv = %nrquote(%nrstr(SASStudio));
%symdel _dataout_mime_type _dataout_name _dataout_url _dataout_table / nowarn;
%let _sasws_ = %bquote(%sysfunc(getoption(work)));
%let _saswstamp_ = %bquote(%sysfunc(getoption(work)));

/* Detect SAS/Graph and setup graph options */
data _null_;
  length rc $255;
  call symput("graphinit","");

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call symput("graphterm","");
rc=tslvl('sasxgopt','n');
_error_=0;
if (rc^=' ') then do;
  call symput("graphinit","goptions reset=all gsfname=_gsfname;");
  call symput("graphterm","goptions noaccessible;");
end;
run;
data _null_;
length rc 4;
rc=sysprod("PRODNUM002");
if (rc^=1) then do;
  call symput("graphinit","");
  call symput("graphterm","");
end;
run;

/* Setup ODS destinations */
ods _all_ close;
filename _htmlout temp;
filename _listout temp;
filename _gsfname temp;
filename _dataout temp;
ods autonavigate off;
ods graphics on;
ods html5 (id=web) METATEXT='http-equiv="Content-Security-Policy" content="default-src ''none''; style-src ''unsafe-inline''; img-src data:';
ods listing file=_listout;
&graphinit;

/* endregion */

/* region: Generated flow setup */
%let flow_id = ;
%let flow_name = Road_Accident_SQLMerge_Descriprion.flw;
%let flow_place = ;
%let flow_location = ;
%macro _flw_action_start(nodes);
  data _null_;
    dtEndStr = put(datetime(), E8601DZ.);
    put "_FLW_ACTION_START_|" dtEndStr +(-1) "|&nodes";
  run;
%mend _flw_action_start;
%macro _flw_action_end(nodes, table_libs, libs, table_names);
  data _null_;
    attrib next_table_name length = $32 informat = $32. format = $32.
      dtStartStr length = $26 informat = $26. format = $26.;

    %local i next_table;
    %do i=1 %to %sysfunc(countc(&table_libs, |)) + 1;
      %let next_table = %qscan(&table_libs, &i, |);
      %let next_lib = %qscan(&libs, &i, |);
      %let next_table_name = %qscan(&table_names, &i, |);
      next_table_name = kreverse(ksubstr(kreverse(ksubstr(kstrip("&next_table_name."),2)),2));
      %let table_exists = %eval(%sysfunc(exist(&next_table, data)) or %sysfunc(exist(&next_table, view)));
      put "_FLW_ACTION_TABLE_|&next_lib|" next_table_name +(-1) "|&table_exists";
    %end;
    dtStartStr = put(datetime(), E8601DZ.);
    put "_FLW_ACTION_END_|" dtStartStr +(-1) "|&nodes";
  run;
%mend _flw_action_end;
/* endregion */

/*=====
* Node name: Import File
* Node ID: id-1745432024890-3376
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/Cleaned_Road_Accident_2021_Final.csv
*
* Output Tables:
*   WORK.Cleaned_Road_Accident_2021_Final
*
* Step name: Import
* Step path: /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432024890-3376);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/Cleaned_Road_Accident_2021_Final.csv" encoding="UTF-8";

/* Delete table WORK.Cleaned_Road_Accident_2021_Final */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete Cleaned_Road_Accident_2021_Final;
quit;

data WORK.Cleaned_Road_Accident_2021_Final;

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attrib
acci_ref length = 8 format = BEST12. informat = BEST32. label = "acci_ref"
loc_east_osgr length = 8 format = BEST12. informat = BEST32. label = "loc_east_osgr"
loc_nor_osgr length = 8 format = BEST12. informat = BEST32. label = "loc_nor_osgr"
longitude length = 8 format = BEST12. informat = BEST32. label = "longitude"
latitude length = 8 format = BEST12. informat = BEST32. label = "latitude"
date length = 8 format = MMDDYY10. informat = MMDDYY10. label = "date"
_months_ length = $3 format = $3. informat = $3. label = "_months_"
day_of_week length = 8 format = BEST12. informat = BEST32. label = "day_of_week"
time length = 8 format = TIME20.3 informat = TIME20.3 label = "time"
hour_of_day length = 8 format = BEST12. informat = BEST32. label = "hour_of_day"
time_category length = $5 format = $5. informat = $5. label = "time_category"
loc_auth_ons_distr length = $9 format = $9. informat = $9. label = "loc_auth_ons_distr"
first_road_class length = 8 format = BEST12. informat = BEST32. label = "first_road_class"
first_road_num length = 8 format = BEST12. informat = BEST32. label = "first_road_num"
road_type length = 8 format = BEST12. informat = BEST32. label = "road_type"
speed_limit length = 8 format = BEST12. informat = BEST32. label = "speed_limit"
junc_detail length = 8 format = BEST12. informat = BEST32. label = "junc_detail"
sec_road_class length = 8 format = BEST12. informat = BEST32. label = "sec_road_class"
ped_cross_hum_con length = 8 format = BEST12. informat = BEST32. label = "ped_cross_hum_con"
ped_cross_phy_facil length = 8 format = BEST12. informat = BEST32. label = "ped_cross_phy_facil"
light_con length = 8 format = BEST12. informat = BEST32. label = "light_con"
weath_con length = 8 format = BEST12. informat = BEST32. label = "weath_con"
road_surf_con length = 8 format = BEST12. informat = BEST32. label = "road_surf_con"
spec_con_site length = 8 format = BEST12. informat = BEST32. label = "spec_con_site"
carri_haz length = 8 format = BEST12. informat = BEST32. label = "carri_haz"
urb_or_rur_area length = 8 format = BEST12. informat = BEST32. label = "urb_or_rur_area"
did_poli_offi_att length = 8 format = BEST12. informat = BEST32. label = "did_poli_offi_att"
tru_road_flag length = 8 format = BEST12. informat = BEST32. label = "tru_road_flag"
lsoa_of_acc_loc length = $9 format = $9. informat = $9. label = "lsoa_of_acc_loc"
num_of_casu length = 8 format = BEST12. informat = BEST32. label = "num_of_casu"
num_of_vehi length = 8 format = BEST12. informat = BEST32. label = "num_of_vehi"
acci_severity length = 8 format = BEST12. informat = BEST32. label = "acci_severity";

infile _flw_fr
lrecl = 32767
encoding = "UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
acci_ref
loc_east_osgr
loc_nor_osgr
longitude
latitude
date
_months_
day_of_week
time
hour_of_day
time_category
loc_auth_ons_distr
first_road_class
first_road_num
road_type
speed_limit
junc_detail
sec_road_class
ped_cross_hum_con
ped_cross_phy_facil
light_con
weath_con
road_surf_con
spec_con_site
carri_haz
urb_or_rur_area
did_poli_offi_att
tru_road_flag
lsoa_of_acc_loc
num_of_casu
num_of_vehi
acci_severity;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File */
%_flw_action_end(id-1745432024890-3376, WORK.Cleaned_Road_Accident_2021_Final, WORK, "Cleaned_Road_Accident_2021_Final");
/* endregion */

/*=====
* Node name:      Import File 2
* Node ID:       id-1745432207120-8042
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/JUNC_DETAIL.csv
*/

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* Output Tables:
*   WORK.JUNC_DETAIL
*
* Step name:      Import
* Step path:      /dataflows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
*-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432207120-8042);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/JUNC_DETAIL.csv" encoding="UTF-8";

/* Delete table WORK.JUNC_DETAIL */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete JUNC_DETAIL;
quit;

data WORK.JUNC_DETAIL;
  attrib
    junc_detail_id length = 8 format = BEST12. informat = BEST32. label = "junc_detail_id"
    junc_detail_desc length = $35 format = $35. informat = $35. label = "junc_detail_desc";
  infile _flw_fr
    lrecl = 32767
    encoding ="UTF-8"
    delimiter = ','
    firstobs = 2
    dsd
    missover;
  input
    junc_detail_id
    junc_detail_desc;
  RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 2 */
%_flw_action_end(id-1745432207120-8042, WORK.JUNC_DETAIL, WORK, "JUNC_DETAIL");
/* endregion */

/*=====
* Node name:      Import File 3
* Node ID:       id-1745432219659-8180
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_HUM_CON.csv
*
* Output Tables:
*   WORK.PED_CROSS_HUM_CON
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
*-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432219659-8180);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_HUM_CON.csv" encoding="UTF-8";

/* Delete table WORK.PED_CROSS_HUM_CON */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete PED_CROSS_HUM_CON;
quit;

data WORK.PED_CROSS_HUM_CON;
  attrib
    ped_cross_hum_con_id length = 8 format = BEST12. informat = BEST32. label = "ped_cross_hum_con_id"
    ped_cross_hum_con_desc length = $34 format = $34. informat = $34. label = "ped_cross_hum_con_desc";
  infile _flw_fr
    lrecl = 32767
    encoding ="UTF-8"
    delimiter = ','
    firstobs = 2
    dsd
    missover;
  input
    ped_cross_hum_con_id
    ped_cross_hum_con_desc;
  RUN;

```

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RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 3 */
%_flw_action_end(id-1745432219659-8180, WORK.PED_CROSS_HUM_CON, WORK, "PED_CROSS_HUM_CON");
/* endregion */

/*=====
* Node name:      Import File 4
* Node ID:       id-1745432225547-8311
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_PHY_FACIL.csv
*
* Output Tables:
*   WORK.PED_CROSS_PHY_FACIL
*
* Step name:      Import
* Step path:      /dataflows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432225547-8311);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_PHY_FACIL.csv" encoding="UTF-8";

/* Delete table WORK.PED_CROSS_PHY_FACIL */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete PED_CROSS_PHY_FACIL;
quit;

data WORK.PED_CROSS_PHY_FACIL;

attrib
ped_cross_phy_facil_id length = 8 format = BEST12. informat = BEST32. label = "ped_cross_phy_facil_id"
ped_cross_phy_facil_desc length = $75 format = $75. informat = $75. label = "ped_cross_phy_facil_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firsttobs = 2
dsd
missover;

input
ped_cross_phy_facil_id
ped_cross_phy_facil_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 4 */
%_flw_action_end(id-1745432225547-8311, WORK.PED_CROSS_PHY_FACIL, WORK, "PED_CROSS_PHY_FACIL");
/* endregion */

/*=====
* Node name:      junc_detail_merge
* Node ID:       id-1745432921094-116856
*
* Input Tables:
*   WORK.Cleaned_Road_Accident_2021_Final
*   WORK.JUNC_DETAIL
*
* Output Tables:
*   WORK._flw0021745432921094116856_0_0_1
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432921094-116856);
/* endregion */

/* Delete table WORK._flw0021745432921094116856_0_0_1 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745432921094116856_0_0_1;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745432921094116856_0_0_1 AS
  SELECT
    t1.accid_ref FORMAT=BEST12. INFORMAT=BEST32.,

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t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
t1._months_ FORMAT=$3. INFORMAT=$3.,
t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
t1.time_category FORMAT=$5. INFORMAT=$5.,
t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
t2.junc_detail_desc FORMAT=$35. INFORMAT=$35.

FROM
  WORK.Cleaned_Road_Accident_2021_Final t1
    INNER JOIN WORK.JUNC_DETAIL t2 ON (t1.junc_detail = t2.junc_detail_id)
;

QUIT;
RUN;

/* region: Generated step cleanup for junc_detail_merge */
%_flw_action_end(id-1745432921094-116856, WORK._flw0021745432921094116856_0_0_1, WORK, "_flw0021745432921094116856_0_0_1");
/* endregion */

/*=====
* Node name:      ped_cross_hum_con_merge
* Node ID:       id-1745433134499-122623
*
* Input Tables:
*   WORK._flw0021745432921094116856_0_0_1
*   WORK.PED_CROSS_HUM_CON
*
* Output Tables:
*   WORK._flw0021745433134499122623_0_0_2
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745433134499-122623);
/* endregion */

/* Delete table WORK._flw0021745433134499122623_0_0_2 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433134499122623_0_0_2;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745433134499122623_0_0_2 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,

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t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
t1.acc_severity FORMAT=BEST12. INFORMAT=BEST32.,
t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
t2.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.
FROM
  WORK.PED_CROSS_HUM_CON t2
  INNER JOIN WORK._flw0021745432921094116856_0_0_1 t1 ON (t2.ped_cross_hum_con_id = t1.ped_cross_hum_con)
;
QUIT;
RUN;

/* region: Generated step cleanup for ped_cross_hum_con_merge */
%_flw_action_end(id=1745433134499-122623, WORK._flw0021745433134499122623_0_0_2, WORK, "_flw0021745433134499122623_0_0_2");
/* endregion */

/*=====
* Node name:      pedcross_phy_facil_merge
* Node ID:       id-1745433616284-145936
*
* Input Tables:
*   WORK._flw0021745433134499122623_0_0_2
*   WORK.PED_CROSS_PHY_FACIL
*
* Output Tables:
*   WORK._flw0021745433616284145936_0_0_3
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
-----*/
/* region: Generated step setup */
%_flw_action_start(id=1745433616284-145936);
/* endregion */

/* Delete table WORK._flw0021745433616284145936_0_0_3 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433616284145936_0_0_3;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745433616284145936_0_0_3 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
    t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
    t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
    t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
    t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
    t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
    t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
    t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
    t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
    t1.acc_severity FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
    t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
    t2.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.
FROM
  WORK._flw0021745433134499122623_0_0_2 t1
  INNER JOIN WORK.PED_CROSS_PHY_FACIL t2 ON (t1.ped_cross_phy_facil = t2.ped_cross_phy_facil_id)

```

```

        ;
QUIT;
RUN;

/* region: Generated step cleanup for ped)cross_phy_facil_merge */
%_flw_action_end(id-1745433616284-145936, WORK._flw0021745433616284145936_0_0_3, WORK, "_flw0021745433616284145936_0_0_3");
/* endregion */

/*=====
* Node name:      Import File 10
* Node ID:       id-1745432393905-14187
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/CARRI_HAZ.csv
*
* Output Tables:
*   WORK.CARRI_HAZ
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432393905-14187);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/CARRI_HAZ.csv" encoding="UTF-8";

/* Delete table WORK.CARRI_HAZ */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete CARRI_HAZ;
quit;

data WORK.CARRI_HAZ;
  attrib
    carri_haz_id length = 8 format = BEST12. informat = BEST32. label = "carri_haz_id"
    carri_haz length = $47 format = $47. informat = $47. label = "carri_haz";
  infile _flw_fr
    lrecl = 32767
    encoding ="UTF-8"
    delimiter = ','
    firsttobs = 2
    dsd
    missover;
  input
    carri_haz_id
    carri_haz;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 10 */
%_flw_action_end(id-1745432393905-14187, WORK.CARRI_HAZ, WORK, "CARRI_HAZ");
/* endregion */

/*=====
* Node name:      Import File 11
* Node ID:       id-1745432401260-14328
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/LIGHT_CON.csv
*
* Output Tables:
*   WORK.LIGHT_CON
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432401260-14328);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/LIGHT_CON.csv" encoding="UTF-8";

/* Delete table WORK.LIGHT_CON */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete LIGHT_CON;
quit;

data WORK.LIGHT_CON;

```

```

attrib
light_con_id length = 8 format = BEST12. informat = BEST32. label = "light_con_id"
light_con_desc length = $28 format = $28. informat = $28. label = "light_con_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
light_con_id
light_con_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 11 */
%_flw_action_end(id-1745432401260-14328, WORK.LIGHT_CON, WORK, "LIGHT_CON");
/* endregion */

/*=====
* Node name:      Import File 5
* Node ID:       id-1745432234650-9066
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_SURF_CON.csv
*
* Output Tables:
*   WORK.ROAD_SURF_CON
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745432234650-9066);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_SURF_CON.csv" encoding="UTF-8";

/* Delete table WORK.ROAD_SURF_CON */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete ROAD_SURF_CON;
quit;

data WORK.ROAD_SURF_CON;

attrib
road_surf_con_id length = 8 format = BEST12. informat = BEST32. label = "road_surf_con_id"
road_surf_con_desc length = $28 format = $28. informat = $28. label = "road_surf_con_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
road_surf_con_id
road_surf_con_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 5 */
%_flw_action_end(id-1745432234650-9066, WORK.ROAD_SURF_CON, WORK, "ROAD_SURF_CON");
/* endregion */

/*=====
* Node name:      Import File 6
* Node ID:       id-1745432241588-9194
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_TYPE.csv
*
* Output Tables:
*   WORK.ROAD_TYPE
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/

```

```
-----
/* region: Generated step setup */
%_flw_action_start(id-1745432241588-9194);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_TYPE.csv" encoding="UTF-8";

/* Delete table WORK.ROAD_TYPE */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete ROAD_TYPE;
quit;

data WORK.ROAD_TYPE;

attrib
  road_type_id length = 8 format = BEST12. informat = BEST32. label = "road_type_id"
  road_type_desc length = $28 format = $28. informat = $28. label = "road_type_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
  road_type_id
  road_type_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 6 */
%_flw_action_end(id-1745432241588-9194, WORK.ROAD_TYPE, WORK, "ROAD_TYPE");
/* endregion */

=====
* Node name:      Import File 7
* Node ID:       id-1745432251302-9359
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/SPEC_CON_SITE.csv
*
* Output Tables:
*   WORK.SPEC_CON_SITE
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----

/* region: Generated step setup */
%_flw_action_start(id-1745432251302-9359);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/SPEC_CON_SITE.csv" encoding="UTF-8";

/* Delete table WORK.SPEC_CON_SITE */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete SPEC_CON_SITE;
quit;

data WORK.SPEC_CON_SITE;

attrib
  spec_con_site_id length = 8 format = BEST12. informat = BEST32. label = "spec_con_site_id"
  spec_con_site_desc length = $42 format = $42. informat = $42. label = "spec_con_site_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
  spec_con_site_id
  spec_con_site_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 7 */

```

```
%_flw_action_end(id-1745432251302-9359, WORK.SPEC_CON_SITE, WORK, "SPEC_CON_SITE");
/* endregion */

/*=====
* Node name:      Import File 8
* Node ID:       id-1745432259622-10294
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/WEATH_CON.csv
*
* Output Tables:
*   WORK.WEATH_CON
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/

/* region: Generated step setup */
%_flw_action_start(id-1745432259622-10294);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/WEATH_CON.csv" encoding="UTF-8";

/* Delete table WORK.WEATH_CON */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete WEATH_CON;
quit;

data WORK.WEATH_CON;

attrib
weath_con_id length = 8 format = BEST12. informat = BEST32. label = "weath_con_id"
weath_con_desc length = $28 format = $28. informat = $28. label = "weath_con_desc";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter = ','
firstobs = 2
dsd
missover;

input
weath_con_id
weath_con_desc;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 8 */
%_flw_action_end(id-1745432259622-10294, WORK.WEATH_CON, WORK, "WEATH_CON");
/* endregion */

/*=====
* Node name:      Import File 9
* Node ID:       id-1745432265889-10448
*
* Input Files:
*   /export/viya/homes/di00222@surrey.ac.uk/casuser/URB_OR_RUR.csv
*
* Output Tables:
*   WORK.URB_OR_RUR
*
* Step name:      Import
* Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
* Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
-----*/

/* region: Generated step setup */
%_flw_action_start(id-1745432265889-10448);
/* endregion */

%LET global_validvarname = %sysfunc(getoption(validvarname));
OPTIONS VALIDVARNAME=ANY;
FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/URB_OR_RUR.csv" encoding="UTF-8";

/* Delete table WORK.URB_OR_RUR */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete URB_OR_RUR;
quit;

data WORK.URB_OR_RUR;

attrib
urb_or_rur_id length = 8 format = BEST12. informat = BEST32. label = "urb_or_rur_id"
urb_or_rur_desc length = $28 format = $28. informat = $28. label = "urb_or_rur_desc"
VAR3 length = $1 format = $1. informat = $1. label = "VAR3"
VAR4 length = $1 format = $1. informat = $1. label = "VAR4"
```

```

VAR5 length = $1 format = $1. informat = $1. label = "VAR5"
VAR6 length = $1 format = $1. informat = $1. label = "VAR6"
VAR7 length = $1 format = $1. informat = $1. label = "VAR7"
VAR8 length = $1 format = $1. informat = $1. label = "VAR8"
VAR9 length = $1 format = $1. informat = $1. label = "VAR9";

infile _flw_fr
lrecl = 32767
encoding ="UTF-8"
delimiter =
firstobs = 2
dsd
missover;

input
urb_or_rur_id
urb_or_rur_desc
VAR3
VAR4
VAR5
VAR6
VAR7
VAR8
VAR9;
RUN;

FILENAME _flw_fr CLEAR;
OPTIONS VALIDVARNAME=&global_validvarname;

/* region: Generated step cleanup for Import File 9 */
%_flw_action_end(id-174543265889-10448, WORK.URB_OR_RUR, WORK, "URB_OR_RUR");
/* endregion */

/*=====
* Node name:      carri_haz_merge
* Node ID:       id-1745433706114-160843
*
* Input Tables:
*   WORK._flw0021745433616284145936_0_0_3
*   WORK.CARRI_HAZ
*
* Output Tables:
*   WORK._flw0021745433706114160843_0_0_4
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745433706114-160843);
/* endregion */

/* Delete table WORK._flw0021745433706114160843_0_0_4 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433706114160843_0_0_4;
quit;

PROC SQL;
CREATE TABLE WORK._flw0021745433706114160843_0_0_4 AS
SELECT
  t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
  t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
  t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
  t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
  t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
  t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
  t1._months_ FORMAT=$3. INFORMAT=$3.,
  t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
  t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
  t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
  t1.time_category FORMAT=$5. INFORMAT=$5.,
  t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
  t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
  t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
  t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
  t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
  t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
  t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
  t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
  t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
  t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
  t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
  t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
  t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
  t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
  t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
  t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
  t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
  t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
  t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
  t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,

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```

t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
t2.carri_haz FORMAT=$47. INFORMAT=$47. AS carri_haz1
FROM
  WORK._flw0021745433616284145936_0_0_3 t1
    INNER JOIN WORK.CARRI_HAZ t2 ON (t1.carri_haz = t2.carri_haz_id)
;
QUIT;
RUN;

/* region: Generated step cleanup for carri_haz_merge */
%_flw_action_end(id=1745433706114-160843, WORK._flw0021745433706114160843_0_0_4, WORK, "_flw0021745433706114160843_0_0_4");
/* endregion */

/*=====
* Node name:      light_con_merge
* Node ID:       id-1745433799218-179082
*
* Input Tables:
*   WORK._flw0021745433706114160843_0_0_4
*   WORK.LIGHT_CON
*
* Output Tables:
*   WORK._flw0021745433799218179082_0_0_5
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
*-----*/
/* region: Generated step setup */
%_flw_action_start(id=1745433799218-179082);
/* endregion */

/* Delete table WORK._flw0021745433799218179082_0_0_5 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433799218179082_0_0_5;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745433799218179082_0_0_5 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MDYY10. INFORMAT=MDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
    t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
    t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
    t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
    t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
    t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
    t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
    t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
    t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
    t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
    t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
    t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
    t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
    t2.light_con_desc FORMAT=$28. INFORMAT=$28.
  FROM
    WORK._flw0021745433706114160843_0_0_4 t1
      INNER JOIN WORK.LIGHT_CON t2 ON (t1.light_con = t2.light_con_id)
;
QUIT;
RUN;

/* region: Generated step cleanup for light_con_merge */
%_flw_action_end(id=1745433799218-179082, WORK._flw0021745433799218179082_0_0_5, WORK, "_flw0021745433799218179082_0_0_5");

```

```

/* endregion */

/*=====
* Node name:      road_surf_con_merge
* Node ID:       id-1745433916553-202183
*
* Input Tables:
*   WORK._flw0021745433799218179082_0_0_5
*   WORK.ROAD_SURF_CON
*
* Output Tables:
*   WORK._flw0021745433916553202183_0_0_6
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745433916553-202183);
/* endregion */

/* Delete table WORK._flw0021745433916553202183_0_0_6 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433916553202183_0_0_6;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745433916553202183_0_0_6 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
    t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
    t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
    t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
    t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
    t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
    t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
    t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
    t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
    t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
    t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
    t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
    t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
    t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
    t2.road_surf_con_desc FORMAT=$28. INFORMAT=$28.
  FROM
    WORK._flw0021745433799218179082_0_0_5 t1
    INNER JOIN WORK.ROAD_SURF_CON t2 ON (t1.road_surf_con = t2.road_surf_con_id)
  ;
QUIT;
RUN;

/* region: Generated step cleanup for road_surf_con_merge */
%_flw_action_end(id-1745433916553-202183, WORK._flw0021745433916553202183_0_0_6, WORK, "_flw0021745433916553202183_0_0_6");
/* endregion */

/*=====
* Node name:      road_type_merge
* Node ID:       id-1745433999861-227284
*
* Input Tables:
*   WORK._flw0021745433916553202183_0_0_6
*   WORK.ROAD_TYPE
*
* Output Tables:
*   WORK._flw0021745433999861227284_0_0_7
*
* Step name:      Query
-----*/

```

```

* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
*-----*/
/* region: Generated step setup */
%_flw_action_start(id=1745433999861-227284);
/* endregion */

/* Delete table WORK._flw0021745433999861227284_0_0_7 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745433999861227284_0_0_7;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745433999861227284_0_0_7 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3.. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
    t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
    t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
    t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
    t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
    t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
    t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
    t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
    t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
    t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
    t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
    t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
    t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
    t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
    t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
    t1.road_type_desc FORMAT=$28. INFORMAT=$28.
  FROM
    WORK._flw0021745433916553202183_0_0_6 t1
    INNER JOIN WORK.ROAD_TYPE t2 ON (t1.road_type = t2.road_type_id)
  ;
QUIT;
RUN;

/* region: Generated step cleanup for road_type_merge */
%_flw_action_end(id=1745433999861-227284, WORK._flw0021745433999861227284_0_0_7, WORK, "_flw0021745433999861227284_0_0_7");
/* endregion */

/*=====*/
* Node name:      spec_con_site_merge
* Node ID:        id-1745434059037-252464
*
* Input Tables:
*   WORK._flw0021745433999861227284_0_0_7
*   WORK.SPEC_CON_SITE
*
* Output Tables:
*   WORK._flw0021745434059037252464_0_0_8
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
*-----*/
/* region: Generated step setup */
%_flw_action_start(id=1745434059037-252464);
/* endregion */

/* Delete table WORK._flw0021745434059037252464_0_0_8 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745434059037252464_0_0_8;
quit;

```

```

PROC SQL;
  CREATE TABLE WORK._flw0021745434059037252464_0_0_8 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
    t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
    t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
    t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
    t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
    t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
    t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
    t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
    t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
    t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
    t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
    t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
    t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
    t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
    t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
    t1.road_type_desc FORMAT=$28. INFORMAT=$28.,
    t2.spec_con_site_desc FORMAT=$42. INFORMAT=$42.
  FROM
    WORK._flw0021745433999861227284_0_0_7 t1
    INNER JOIN WORK.SPEC_CON_SITE t2 ON (t1.spec_con_site = t2.spec_con_site_id)
  ;
QUIT;
RUN;

/* region: Generated step cleanup for spec_con_site_merge */
%_flw_action_end(id=1745434059037-252464, WORK._flw0021745434059037252464_0_0_8, WORK, "_flw0021745434059037252464_0_0_8");
/* endregion */

/*=====
* Node name:      weat_con_merge
* Node ID:       id-1745434151043-286575
*
* Input Tables:
*   WORK._flw0021745434059037252464_0_0_8
*   WORK.WEATH_CON
*
* Output Tables:
*   WORK._flw0021745434151043286575_0_0_9
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
*-----*/
/* region: Generated step setup */
%_flw_action_start(id=1745434151043-286575);
/* endregion */

/* Delete table WORK._flw0021745434151043286575_0_0_9 */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745434151043286575_0_0_9;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745434151043286575_0_0_9 AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,

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t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
t1.time_category FORMAT=$5. INFORMAT=$5.,
t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
t1.carri_hazi FORMAT=$47. INFORMAT=$47.,
t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
t1.road_type_desc FORMAT=$28. INFORMAT=$28.,
t1.spec_con_site_desc FORMAT=$42. INFORMAT=$42.,
t2.weath_con_desc FORMAT=$28. INFORMAT=$28.

FROM
  WORK._flw0021745434059037252464_0_0_8 t1
    INNER JOIN WORK.WEATH_CON t2 ON (t1.weath_con = t2.weath_con_id)
;
QUIT;
RUN;

/* region: Generated step cleanup for weat_con_merge */
%_flw_action_end(id-1745434151043-286575, WORK._flw0021745434151043286575_0_0_9, WORK, "_flw0021745434151043286575_0_0_9");
/* endregion */

/*=====
* Node name:      road_acci_cleaned_merged
* Node ID:       id-1745434230337-327151
*
* Input Tables:
*   WORK._flw0021745434151043286575_0_0_9
*   WORK.URB_OR_RUR
*
* Output Tables:
*   WORK._flw0021745434230337327151_0_0_a
*
* Step name:      Query
* Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
* Step description: Query tables.
*-----*/
/* region: Generated step setup */
%_flw_action_start(id-1745434230337-327151);
/* endregion */

/* Delete table WORK._flw0021745434230337327151_0_0_a */
proc datasets library = WORK memtype = (data view) nolist nowarn;
  delete _flw0021745434230337327151_0_0_a;
quit;

PROC SQL;
  CREATE TABLE WORK._flw0021745434230337327151_0_0_a AS
  SELECT
    t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
    t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
    t1._months_ FORMAT=$3. INFORMAT=$3.,
    t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
    t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
    t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
    t1.time_category FORMAT=$5. INFORMAT=$5.,
    t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
    t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
    t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
    t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
    t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
    t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
    t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,

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```

t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,  

t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,  

t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,  

t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,  

t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,  

t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,  

t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,  

t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,  

t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,  

t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,  

t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,  

t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,  

t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,  

t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,  

t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,  

t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,  

t1.light_con_desc FORMAT=$28. INFORMAT=$28.,  

t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,  

t1.road_type_desc FORMAT=$28. INFORMAT=$28.,  

t1.spec_con_site_desc FORMAT=$42. INFORMAT=$42.,  

t1.weath_con_desc FORMAT=$28. INFORMAT=$28.,  

t2.urb_or_rur_desc FORMAT=$28. INFORMAT=$28.  

FROM  

WORK._flw0021745434151043286575_0_0_9 t1  

INNER JOIN WORK.URB_OR_RUR t2 ON (t1.urb_or_rur_area = t2.urb_or_rur_id)  

;  

QUIT;  

RUN;
/* region: Generated step cleanup for road_acci_cleaned_merged */  

%_flw_action_end(id=1745434230337-327151, WORK._flw0021745434230337327151_0_0_a, WORK, "_flw0021745434230337327151_0_0_a");  

/* endregion */  

/* region: Generated flow cleanup */  

%sysmacdelete _flw_action_start;  

%sysmacdelete _flw_action_end;  

/* endregion */  

/* region: Generated postamble */  

/* Close ODS destinations */  

&graphterm; ;*';*/;run;quit;  

quit;run;  

ods html5 (id=web) close;  

ods listing close;  

%if %sysfunc(fileref(_gsfname)) lt 0 %then %do;  

  filename _gsfname clear;  

%end;  

/* endregion */

```

---

### Log:Road\_Accident\_SQLMerge\_Descriprion.flw

```

1  /*=====*  

2  * Flow:      Road_Accident_SQLMerge_Descriprion.flw  

3  * ID:  

4  * Created:   2025-05-07T12:45:45.323339914Z  

5  * Created by: di00222@surrey.ac.uk  

6  * Modified:   2025-05-07T12:45:45.323339914Z  

7  * Modified by: di00222@surrey.ac.uk  

8  *  

9  * Output Tables:  

10 *   WORK.PED_CROSS_PHY_FACIL  

11 *   WORK.PED_CROSS_HUM_CON  

12 *   WORK.JUNC_DETAIL  

13 *   WORK.Cleaned_Road_Accident_2021_Final  

14 *   WORK.URB_OR_RUR  

15 *   WORK.WEATH_CON  

16 *   WORK.SPEC_CON_SITE  

17 *   WORK.ROAD_TYPE  

18 *   WORK.ROAD_SURF_CON  

19 *   WORK.LIGHT_CON  

20 *   WORK.CARRI_HAZ  

21 *  

22 * Version:     DataFlows lts 2024.09 (20250113.1736793992259)  

23 *  

24 * Generated On: 2025-05-07T12:45:45.323339914Z  

25 * Generated by: di00222@surrey.ac.uk  

26 *=====*/  

27 /* region: Generated preamble */  

28  

29 /* Make sure the current directory is writable */  

30 data _null_;  

31   length rc 4;  

32   %let tworkloc="%sysfunc(getoption(work))";  

33   rc=dlgkdir(&tworkloc);  

34 run;  

NOTE: The current working directory is now  

"/opt/sas/viya/config/var/tmp/compsrv/default/ecb624bb-f372-4646-96e2-dbeb4bc26985/SAS_work48EE00000207_sas-compute-server-6cd

```

```
f4fbe-36e3-4fe8-8b8b-4394a4dab230-20014".
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time            0.01 seconds

35
36 /* Setup options */
37 title;
38 footnote;
39 options validvarname=any;
40 options validmemname=extend;
41 options dtreset date number;
42 options device=png;
43
44 /* Setup macro variables */
45 %let syscc=0;
46 %let _clientapp = %nrquote(%nrstr(SAS Studio));
47 %let _clientappabbrev = %nrquote(%nrstr(Studio));
48 %let _clientappversion=2024.09;
49 %let _clientversion=6.1054.31;
50 %let _sasservername=&SYSHOSTNAME;
51 %let _sashostname=&SYSHOSTNAME;
52 %let _sasprogramfilehost=&SYSHOSTNAME;
53 %let _clientuserid = %nrquote(%nrstr(di00222@surrey.ac.uk));
54 %let _clientusername = %nrquote(%nrstr(di00222@surrey.ac.uk));
55 %let clientmachine = %nrquote(%nrstr());
56 %let _clientmachine = %nrquote(%nrstr());
57 %let _clientmode = %nrquote(%nrstr(viya));
58 %let sasworklocation="%sysfunc(getoption(work))";
59 filename _cwd &sasworklocation;
60 data _null_;
61   call symput('_sasworkingdir', pathname('_cwd'));
62 run;
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time            0.00 seconds

63 filename _cwd;
NOTE: Fileref _CWD has been deassigned.
64 %let _sasprogramfile = %nrquote(%nrstr());
65 %let _baseurl = %nrquote(%nrstr(https://vfl-040.engage.sas.com/SASStudio/));
66 %let _execenv = %nrquote(%nrstr(SASStudio));
67 %syndel _dataout_mime_type _dataout_name _dataout_table / nowarn;
68 %let _saws_ = %bquote(%sysfunc(getoption(work)));
69 %let _saswstamp_ = %bquote(%sysfunc(getoption(work)));
70
71 /* Detect SAS/Graph and setup graph options */
72 data _null_;
73   length rc $255;
74   call symput("graphinit","");
75   call symput("graphterm","");
76   rc=tslvl('sasxgopt','n');
77   _error_=0;
78   if (rc^=' ') then do;
79     call symput("graphinit","goptions reset=all gsfname=_gsfname;");
80     call symput("graphterm","goptions noaccessible;");
81   end;
82 run;
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time            0.00 seconds

83 data _null_;
84   length rc 4;
85   rc=sysprod("PRODNUM002");
86   if (rc^=1) then do;
87     call symput("graphinit","");
88     call symput("graphterm","");
89   end;
90 run;
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time            0.00 seconds

91
92 /* Setup ODS destinations */
93 ods _all_ close;
94 filename _htmlout temp;
95 filename _listout temp;
96 filename _gsfname temp;
97 filename _dataout temp;
98 ods autonavigate off;
99 ods graphics on;
100 ods html5 (id=web) METATEXT="http-equiv='Content-Security-Policy' content='default-src ''none''; style-src ''unsafe-inline'';
100 ! img-src data: ;" device=png gpath="&_saswstamp_" path="&_saswstamp_" encoding=utf8 file=_htmlout
100 ! (title='Results:Road_Accident_SQLMerge_Descriprtion.flw') style=Ignite options(bitmap_mode='inline' outline='on'
100 ! svg_mode='inline' css_prefix='ods_dd76f488-fb22-4e8c-8991-997db5f715e3' body_id='div_dd76f488-fb22-4e8c-8991-997db5f715e3' );
NOTE: Writing HTML5(WEB) Body file: _HTMLOUT
101 ods listing file=_listout;
102 &graphinit;
103
104 /* endregion */
```

```

105  /* region: Generated flow setup */
106  %let flow_id = ;
107  %let flow_name = Road_Accident_SQLMerge_Descriprion.flw;
108  %let flow_place = ;
109  %let flow_location = ;
110  %macro _flw_action_start(nodes);
111    data _null_;
112      dtEndStr = put(datetime(), E8601DZ.);
113      put "_FLW_ACTION_START_|" dtEndStr +(-1) "|&nodes";
114    run;
115  %mend _flw_action_start;
116  %macro _flw_action_end(nodes, table_libs, libs, table_names);
117    data _null_;
118
119      attrib next_table_name length = $32 informat = $32. format = $32.
120          dtStartStr length = $26 informat = $26. format = $26.;
121
122      %local i next_table;
123      %do i=1 %to %sysfunc(countc(&table_libs, |)) + 1;
124        %let next_table = %qscan(&table_libs, &i, |);
125        %let next_lib = %qscan(&libs, &i, |);
126        %let next_table_name = %qscan(&table_names, &i, |);
127        next_table_name = kreverse(ksubstr(kreverse(kstrip("&next_table_name."),2)),2));
128        %let table_exists = %eval(%sysfunc(exist(&next_table, data)) or %sysfunc(exist(&next_table, view)));
129        put "_FLW_ACTION_TABLE_|&next_lib|" next_table_name +(-1) "|&table_exists";
130      %end;
131      dtStartStr = put(datetime(), E8601DZ.);
132      put "_FLW_ACTION_END_|" dtStartStr +(-1) "|&nodes";
133    run;
134  %mend _flw_action_end;
135 /* endregion */
137
138 /*=====
139 * Node name: Import File
140 * Node ID: id-1745432024890-3376
141 *
142 * Input Files:
143 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/Cleaned_Road_Accident_2021_Final.csv
144 *
145 * Output Tables:
146 *   WORK.Cleaned_Road_Accident_2021_Final
147 *
148 * Step name: Import
149 * Step path: /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
150 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
151 *-----
152 */
153 /* region: Generated step setup */
154 %_flw_action_start(id-1745432024890-3376);
155 _FLW_ACTION_START_|2025-05-07T13:45:45+00:00|id-1745432024890-3376
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

156 /* endregion */
157 %LET global_validvarname = %sysfunc(getoption(validvarname));
158 OPTIONS VALIDVARNAME=ANY;
159 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/Cleaned_Road_Accident_2021_Final.csv" encoding="UTF-8";
160
161 /* Delete table WORK.Cleaned_Road_Accident_2021_Final */
162 proc datasets library = WORK memtype = (data view) nolist nowarn;
163   delete Cleaned_Road_Accident_2021_Final;
164 quit;
NOTE: Deleting WORK.CLEANED_ROAD_ACCIDENT_2021_FINAL (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

165 data WORK.Cleaned_Road_Accident_2021_Final;
166
167   attrib
168     acci_ref length = 8 format = BEST12. informat = BEST32. label = "acci_ref"
169     loc_east_osgr length = 8 format = BEST12. informat = BEST32. label = "loc_east_osgr"
170     loc_nor_osgr length = 8 format = BEST12. informat = BEST32. label = "loc_nor_osgr"
171     longitude length = 8 format = BEST12. informat = BEST32. label = "longitude"
172     latitude length = 8 format = BEST12. informat = BEST32. label = "latitude"
173     date length = 8 format = MMDDYY10. informat = MMDDYY10. label = "date"
174     _months_ length = $3 format = $3. informat = $3. label = "_months_"
175     day_of_week length = 8 format = BEST12. informat = BEST32. label = "day_of_week"
176     time length = 8 format = TIME20.3 informat = TIME20.3 label = "time"
177     hour_of_day length = 8 format = BEST12. informat = BEST32. label = "hour_of_day"
178     time_category length = $5 format = $5. informat = $5. label = "time_category"
179     loc_auth_ons_distr length = $9 format = $9. informat = $9. label = "loc_auth_ons_distr"
180     first_road_class length = 8 format = BEST12. informat = BEST32. label = "first_road_class"
181     first_road_num length = 8 format = BEST12. informat = BEST32. label = "first_road_num"
182     road_type length = 8 format = BEST12. informat = BEST32. label = "road_type"
183     speed_limit length = 8 format = BEST12. informat = BEST32. label = "speed_limit"
184     junc_detail length = 8 format = BEST12. informat = BEST32. label = "junc_detail"
185     sec_road_class length = 8 format = BEST12. informat = BEST32. label = "sec_road_class"

```

```

187     ped_cross_hum_con length = 8 format = BEST12. informat = BEST32. label = "ped_cross_hum_con"
188     ped_cross_phy_facil length = 8 format = BEST12. informat = BEST32. label = "ped_cross_phy_facil"
189     light_con length = 8 format = BEST12. informat = BEST32. label = "light_con"
190     weath_con length = 8 format = BEST12. informat = BEST32. label = "weath_con"
191     road_surf_con length = 8 format = BEST12. informat = BEST32. label = "road_surf_con"
192     spec_con_site length = 8 format = BEST12. informat = BEST32. label = "spec_con_site"
193     carri_haz length = 8 format = BEST12. informat = BEST32. label = "carri_haz"
194     urb_or_rur_area length = 8 format = BEST12. informat = BEST32. label = "urb_or_rur_area"
195     did_poli_offi_att length = 8 format = BEST12. informat = BEST32. label = "did_poli_offi_att"
196     tru_road_flag length = 8 format = BEST12. informat = BEST32. label = "tru_road_flag"
197     lsoa_of_acc_loc length = $9 format = $9. informat = $9. label = "lsoa_of_acc_loc"
198     num_of_casu length = 8 format = BEST12. informat = BEST32. label = "num_of_casu"
199     num_of_vehi length = 8 format = BEST12. informat = BEST32. label = "num_of_vehi"
200     acci_severity length = 8 format = BEST12. informat = BEST32. label = "acci_severity";
201
202     infile _flw_fr
203     lrecl = 32767
204     encoding ="UTF-8"
205     delimiter = ','
206     firsttobs = 2
207     dsd
208     missover;
209
210     input
211     acci_ref
212     loc_east_osgr
213     loc_nor_osgr
214     longitude
215     latitude
216     date
217     _months_
218     day_of_week
219     time
220     hour_of_day
221     time_category
222     loc_auth_ons_distr
223     first_road_class
224     first_road_num
225     road_type
226     speed_limit
227     junc_detail
228     sec_road_class
229     ped_cross_hum_con
230     ped_cross_phy_facil
231     light_con
232     weath_con
233     road_surf_con
234     spec_con_site
235     carri_haz
236     urb_or_rur_area
237     did_poli_offi_att
238     tru_road_flag
239     lsoa_of_acc_loc
240     num_of_casu
241     num_of_vehi
242     acci_severity;
243 RUN;
NOTE: The infile _FLW_FR is:
      Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/Cleaned_Road_Accident_2021_Final.csv,
      Owner Name=UNKNOWN,Group Name=UNKNOWN,
      Access Permission=-rw-r--r--,
      Last Modified=23Apr2025:17:02:58,
      File Size (bytes)=343000
NOTE: 2476 records were read from the infile _FLW_FR.
      The minimum record length was 133.
      The maximum record length was 140.
NOTE: The data set WORK.CLEANED_ROAD_ACCIDENT_2021_FINAL has 2476 observations and 32 variables.
NOTE: DATA statement used (Total process time):
      real time          0.01 seconds
      cpu time           0.01 seconds
244
245     FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
246     OPTIONS VALIDVARNAME=&global_validvarname;
247
248     /* region: Generated step cleanup for Import File */
249     %_flw_action_end(id-1745432024890-3376, WORK.Cleaned_Road_Accident_2021_Final, WORK, "Cleaned_Road_Accident_2021_Final");
_FLW_ACTION_TABLE_|_WORK|Cleaned_Road_Accident_2021_Final|1
_FLW_ACTION_END_|2025-05-07T13:45:45+00:00|id-1745432024890-3376
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time           0.00 seconds
250
251     /* endregion */
252     /*=====
253     * Node name:      Import File 2
254     * Node ID:        id-1745432207120-8042
255     *
256     * Input Files:
257     *   /export/viya/homes/di00222@surrey.ac.uk/casuser/JUNC_DETAIL.csv

```

```

258 *
259 * Output Tables:
260 *   WORK.JUNC_DETAIL
261 *
262 * Step name:      Import
263 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
264 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
265 *-----*/
266
267 /* region: Generated step setup */
268 %_flw_action_start(id=1745432207120-8042);
269 _FLW_ACTION_START_|2025-05-07T13:45:45+00:00|id=1745432207120-8042
270 NOTE: DATA statement used (Total process time):
271   real time          0.00 seconds
272   cpu time          0.00 seconds
273
274 /* endregion */
275
276 %LET global_validvarname = %sysfunc(getoption(validvarname));
277 OPTIONS VALIDVARNAME=ANY;
278 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/JUNC_DETAIL.csv" encoding="UTF-8";
279
280 /* Delete table WORK.JUNC_DETAIL */
281 proc datasets library = WORK memtype = (data view) nolist nowarn;
282   delete JUNC_DETAIL;
283 quit;
284 NOTE: Deleting WORK.JUNC_DETAIL (memtype=DATA).
285 NOTE: PROCEDURE DATASETS used (Total process time):
286   real time          0.00 seconds
287   cpu time          0.00 seconds
288
289 data WORK.JUNC_DETAIL;
290
291   attrib
292     junc_detail_id length = 8 format = BEST12. informat = BEST32. label = "junc_detail_id"
293     junc_detail_desc length = $35 format = $35. informat = $35. label = "junc_detail_desc";
294
295   infile _flw_fr
296     lrecl = 32767
297     encoding ="UTF-8"
298     delimiter = ','
299     firsttobs = 2
300     dsd
301     missover;
302
303   input
304     junc_detail_id
305     junc_detail_desc;
306 RUN;
307 NOTE: The infile _FLW_FR is:
308   Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/JUNC_DETAIL.csv,
309   Owner Name=UNKNOWN,Group Name=UNKNOWN,
310   Access Permission=rwxr-xr-x,
311   Last Modified=23Apr2025:19:08:46,
312   File Size (bytes)=292
313 NOTE: 11 records were read from the infile _FLW_FR.
314 The minimum record length was 11.
315 The maximum record length was 37.
316 NOTE: The data set WORK.JUNC_DETAIL has 11 observations and 2 variables.
317 NOTE: DATA statement used (Total process time):
318   real time          0.00 seconds
319   cpu time          0.00 seconds
320
321 FILENAME _flw_fr CLEAR;
322 NOTE: Fileref _FLW_FR has been deassigned.
323 OPTIONS VALIDVARNAME=&global_validvarname;
324
325 /* region: Generated step cleanup for Import File 2 */
326 %_flw_action_end(id=1745432207120-8042, WORK.JUNC_DETAIL, WORK, "JUNC_DETAIL");
327 _FLW_ACTION_TABLE_|WORK|JUNC_DETAIL|1
328 _FLW_ACTION_END_|2025-05-07T13:45:45+00:00|id=1745432207120-8042
329 NOTE: DATA statement used (Total process time):
330   real time          0.00 seconds
331   cpu time          0.00 seconds
332
333 /* endregion */
334
335 /*=====
336 * Node name:      Import File 3
337 * Node ID:        id=1745432219659-8180
338 *
339 * Input Files:
340 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_HUM_CON.csv
341 *
342 * Output Tables:
343 *   WORK.PED_CROSS_HUM_CON
344 *
345 * Step name:      Import
346 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
347 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS

```

```

319  *-----*/
320
321 /* region: Generated step setup */
322 %_flw_action_start(id-1745432219659-8180);
323 _FLW_ACTION_START_|2025-05-07T13:45:45+00:00|id-1745432219659-8180
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

324 /* endregion */

325 %LET global_validvarname = %sysfunc(getoption(validvarname));
326 OPTIONS VALIDVARNAME=ANY;
327 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_HUM_CON.csv" encoding="UTF-8";
328
329 /* Delete table WORK.PED_CROSS_HUM_CON */
330 proc datasets library = WORK memtype = (data view) nolist nowarn;
331   delete PED_CROSS_HUM_CON;
332 quit;
NOTE: Deleting WORK.PED_CROSS_HUM_CON (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

333 data WORK.PED_CROSS_HUM_CON;
334
335   attrib
336     ped_cross_hum_con_id length = 8 format = BEST12. informat = BEST32. label = "ped_cross_hum_con_id"
337     ped_cross_hum_con_desc length = $34 format = $34. informat = $34. label = "ped_cross_hum_con_desc";
338
339   infile _flw_fr
340     lrecl = 32767
341     encoding ="UTF-8"
342     delimiter = ','
343     firstobs = 2
344     dsd
345     missover;
346
347   input
348     ped_cross_hum_con_id
349     ped_cross_hum_con_desc;
350
351 RUN;
NOTE: The infile _FLW_FR is:
  Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_HUM_CON.csv,
  Owner Name=UNKNOWN,Group Name=UNKNOWN,
  Access Permission=-rwxr-xr-x,
  Last Modified=23Apr2025:19:08:45,
  File Size (bytes)=202
NOTE: 5 records were read from the infile _FLW_FR.
      The minimum record length was 25.
      The maximum record length was 36.
NOTE: The data set WORK.PED_CROSS_HUM_CON has 5 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

352
353 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
354 OPTIONS VALIDVARNAME=&global_validvarname;
355
356 /* region: Generated step cleanup for Import File 3 */
357 %_flw_action_end(id-1745432219659-8180, WORK.PED_CROSS_HUM_CON, WORK, "PED_CROSS_HUM_CON");
358 _FLW_ACTION_TABLE_|WORK|PED_CROSS_HUM_CON|1
359 _FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432219659-8180
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

360 /* endregion */

361 /*=====
362  * Node name:      Import File 4
363  * Node ID:        id-1745432225547-8311
364  *
365  * Input Files:
366  *   /export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_PHY_FACIL.csv
367  *
368  * Output Tables:
369  *   WORK.PED_CROSS_PHY_FACIL
370  *
371  * Step name:      Import
372  * Step path:       /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
373  * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
374  *-----*/
375
376 /* region: Generated step setup */
377 %_flw_action_start(id-1745432225547-8311);
378 _FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432225547-8311
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds

```

```

cpu time      0.00 seconds

377 /* endregion */
378
379 %LET global_validvarname = %sysfunc(getoption(validvarname));
380 OPTIONS VALIDVARNAME=ANY;
381 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_PHY_FACIL.csv" encoding="UTF-8";
382
383 /* Delete table WORK.PED_CROSS_PHY_FACIL */
384 proc datasets library = WORK memtype = (data view) nolist nowarn;
385   delete PED_CROSS_PHY_FACIL;
386 quit;
NOTE: Deleting WORK.PED_CROSS_PHY_FACIL (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time      0.00 seconds
      cpu time      0.00 seconds

387 data WORK.PED_CROSS_PHY_FACIL;
388
389   attrib
390     ped_cross_phy_facil_id length = 8 format = BEST12. informat = BEST32. label = "ped_cross_phy_facil_id"
391     ped_cross_phy_facil_desc length = $75 format = $75. informat = $75. label = "ped_cross_phy_facil_desc";
392
393   infile _flw_fr
394     lrecl = 32767
395     encoding ="UTF-8"
396     delimiter = ','
397     firstobs = 2
398     dsd
399     missover;
400
401   input
402     ped_cross_phy_facil_id
403     ped_cross_phy_facil_desc;
404
405 RUN;
NOTE: The infile _FLW_FR is:
      Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/PED_CROSS_PHY_FACIL.csv,
      Owner Name=UNKNOWN,Group Name=UNKNOWN,
      Access Permission=-rwxr-xr-x,
      Last Modified=23Apr2025:19:08:44,
      File Size (bytes)=329
NOTE: 8 records were read from the infile _FLW_FR.
      The minimum record length was 7.
      The maximum record length was 77.
NOTE: The data set WORK.PED_CROSS_PHY_FACIL has 8 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time      0.00 seconds
      cpu time      0.00 seconds

406
407 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
408 OPTIONS VALIDVARNAME=&global_validvarname;
409
410 /* region: Generated step cleanup for Import File 4 */
411 %_flw_action_end(id=1745432225547-8311, WORK.PED_CROSS_PHY_FACIL, WORK, "PED_CROSS_PHY_FACIL");
_FLW_ACTION_TABLE_|WORK|PED_CROSS_PHY_FACIL|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id=1745432225547-8311
NOTE: DATA statement used (Total process time):
      real time      0.00 seconds
      cpu time      0.00 seconds

412 /* endregion */
413
414 /*=====
415 * Node name:      junc_detail_merge
416 * Node ID:       id-1745432921094-116856
417 *
418 * Input Tables:
419 *   WORK.Cleaned_Road_Accident_2021_Final
420 *   WORK.JUNC_DETAIL
421 *
422 * Output Tables:
423 *   WORK._flw0021745432921094116856_0_0_1
424 *
425 * Step name:      Query
426 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
427 * Step description: Query tables.
428 *-----*/
429
430 /* region: Generated step setup */
431 %_flw_action_start(id=1745432921094-116856);
_FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id=1745432921094-116856
NOTE: DATA statement used (Total process time):
      real time      0.00 seconds
      cpu time      0.00 seconds

432 /* endregion */
433
434 /* Delete table WORK._flw0021745432921094116856_0_0_1 */
435 proc datasets library = WORK memtype = (data view) nolist nowarn;

```

```

436     delete _flw0021745432921094116856_0_0_1;
437     quit;
NOTE: Deleting WORK._FLW0021745432921094116856_0_0_1 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

438
439 PROC SQL;
440   CREATE TABLE WORK._flw0021745432921094116856_0_0_1 AS
441   SELECT
442     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
443     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
444     t1.loc_nor_osgn FORMAT=BEST12. INFORMAT=BEST32.,
445     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
446     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
447     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
448     t1._months_ FORMAT=$3. INFORMAT=$3.,
449     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
450     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
451     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
452     t1.time_category FORMAT=$5. INFORMAT=$5.,
453     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
454     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
455     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
456     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
457     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
458     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
459     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
460     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
461     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
462     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
463     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
464     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
465     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
466     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
467     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
468     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
469     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
470     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
471     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
472     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
473     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
474     t2.junc_detail_desc FORMAT=$35. INFORMAT=$35.
475   FROM
476     WORK.Cleaned_Road_Accident_2021_Final t1
477       INNER JOIN WORK.JUNC_DETAIL t2 ON (t1.junc_detail = t2.junc_detail_id)
478 ;
NOTE: Table WORK._FLW0021745432921094116856_0_0_1 created, with 2476 rows and 33 columns.
479 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

480 RUN;
481
482
483 /* region: Generated step cleanup for junc_detail_merge */
484 %_flw_action_end(id-1745432921094-116856, WORK._flw0021745432921094116856_0_0_1, WORK, "_flw0021745432921094116856_0_0_1");
_Flw_ACTION_TABLE_|WORK|_flw0021745432921094116856_0_0_1|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432921094-116856
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

485 /* endregion */
486
487 /*=====
488 * Node name:      ped_cross_hum_con_merge
489 * Node ID:        id-1745433134499-122623
490 *
491 * Input Tables:
492 *   WORK._flw0021745432921094116856_0_0_1
493 *   WORK.PED_CROSS_HUM_CON
494 *
495 * Output Tables:
496 *   WORK._flw0021745433134499122623_0_0_2
497 *
498 * Step name:      Query
499 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
500 * Step description: Query tables.
501 *-----*/
502
503 /* region: Generated step setup */
504 %_flw_action_start(id-1745433134499-122623);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745433134499-122623
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

505 /* endregion */
506

```

```

507 /* Delete table WORK._flw0021745433134499122623_0_0_2 */
508 proc datasets library = WORK memtype = (data view) nolist nowarn;
509   delete _flw0021745433134499122623_0_0_2;
510 quit;
NOTE: Deleting WORK._FLW0021745433134499122623_0_0_2 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

511
512 PROC SQL;
513   CREATE TABLE WORK._flw0021745433134499122623_0_0_2 AS
514   SELECT
515     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
516     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
517     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
518     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
519     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
520     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
521     t1._months_ FORMAT=$3. INFORMAT=$3.,
522     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
523     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
524     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
525     t1.time_category FORMAT=$5. INFORMAT=$5.,
526     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
527     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
528     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
529     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
530     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
531     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
532     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
533     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
534     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
535     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
536     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
537     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
538     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
539     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
540     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
541     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
542     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
543     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
544     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
545     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
546     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
547     t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
548     t2.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.
549 FROM
550   WORK.PED_CROSS_HUM_CON t2
551   INNER JOIN WORK._flw0021745432921094116856_0_0_1 t1 ON (t2.ped_cross_hum_con_id = t1.ped_cross_hum_con)
552 ;
NOTE: Table WORK._FLW0021745433134499122623_0_0_2 created, with 2476 rows and 34 columns.
553 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

554 RUN;
555
556
557 /* region: Generated step cleanup for ped_cross_hum_con_merge */
558 %_flw_action_end(id-1745433134499-122623, WORK._flw0021745433134499122623_0_0_2, WORK, "_flw0021745433134499122623_0_0_2");
_Flw_ACTION_TABLE_|WORK|_flw0021745433134499122623_0_0_2|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745433134499-122623
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

559 /* endregion */
560
561 /*=====
562 * Node name:      ped)cross_phy_facil_merge
563 * Node ID:        id-1745433616284-145936
564 *
565 * Input Tables:
566 *   WORK._flw0021745433134499122623_0_0_2
567 *   WORK.PED_CROSS_PHY_FACIL
568 *
569 * Output Tables:
570 *   WORK._flw0021745433616284145936_0_0_3
571 *
572 * Step name:      Query
573 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
574 * Step description: Query tables.
575 *-----*/
576
577 /* region: Generated step setup */
578 %_flw_action_start(id-1745433616284-145936);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745433616284-145936
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

```

```

579 /* endregion */
580
581 /* Delete table WORK._flw0021745433616284145936_0_0_3 */
582 proc datasets library = WORK memtype = (data view) nolist nowarn;
583   delete _flw0021745433616284145936_0_0_3;
584 quit;
NOTE: Deleting WORK._FLW0021745433616284145936_0_0_3 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

585
586 PROC SQL;
587   CREATE TABLE WORK._flw0021745433616284145936_0_0_3 AS
588   SELECT
589     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
590     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
591     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
592     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
593     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
594     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
595     t1._months_ FORMAT=$3. INFORMAT=$3.,
596     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
597     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
598     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
599     t1.time_category FORMAT=$5. INFORMAT=$5.,
600     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
601     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
602     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
603     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
604     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
605     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
606     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
607     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
608     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
609     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
610     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
611     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
612     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
613     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
614     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
615     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
616     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
617     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
618     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
619     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
620     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
621     t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
622     t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
623     t2.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.
624 FROM
625   WORK._flw0021745433134499122623_0_0_2 t1
626   INNER JOIN WORK.PED_CROSS_PHY_FACIL t2 ON (t1.ped_cross_phy_facil = t2.ped_cross_phy_facil_id)
627 ;
NOTE: Table WORK._FLW0021745433616284145936_0_0_3 created, with 2476 rows and 35 columns.
628 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

629 RUN;
630
631
632 /* region: Generated step cleanup for ped)cross_phy_facil_merge */
633 %_flw_action_end(id-1745433616284-145936, WORK._flw0021745433616284145936_0_0_3, WORK, "_flw0021745433616284145936_0_0_3");
_FLW_ACTION_TABLE_|WORK|_flw0021745433616284145936_0_0_3|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745433616284-145936
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

634 /* endregion */
635
636 /*=====
637 * Node name:      Import File 10
638 * Node ID:        id-1745432393905-14187
639 *
640 * Input Files:
641 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/CARRI_HAZ.csv
642 *
643 * Output Tables:
644 *   WORK.CARRI_HAZ
645 *
646 * Step name:      Import
647 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
648 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
649 *-----*/
650
651 /* region: Generated step setup */
652 %_flw_action_start(id-1745432393905-14187);
_FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432393905-14187

```

```

NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

653 /* endregion */
654
655 %LET global_validvarname = %sysfunc(getoption(validvarname));
656 OPTIONS VALIDVARNAME=ANY;
657 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/CARRI_HAZ.csv" encoding="UTF-8";
658
659 /* Delete table WORK.CARRI_HAZ */
660 proc datasets library = WORK memtype = (data view) nolist nowarn;
661   delete CARRI_HAZ;
662 quit;
NOTE: Deleting WORK.CARRI_HAZ (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

663
664 data WORK.CARRI_HAZ;
665
666   attrib
667     carri_haz_id length = 8 format = BEST12. informat = BEST32. label = "carri_haz_id"
668     carri_haz length = $47 format = $47. informat = $47. label = "carri_haz";
669
670   infile _flw_fr
671     lrecl = 32767
672     encoding ="UTF-8"
673     delimiter = ','
674     firstobs = 2
675     dsd
676     missover;
677
678   input
679     carri_haz_id
680     carri_haz;
681 RUN;
NOTE: The infile _FLW_FR is:
      Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/CARRI_HAZ.csv,
      Owner Name=UNKNOWN,Group Name=UNKNOWN,
      Access Permission=-rwxr-xr-x,
      Last Modified=23Apr2025:19:08:47,
      File Size (bytes)=283
NOTE: 10 records were read from the infile _FLW_FR.
      The minimum record length was 6.
      The maximum record length was 49.
NOTE: The data set WORK.CARRI_HAZ has 10 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

682
683 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
684 OPTIONS VALIDVARNAME=&global_validvarname;
685
686 /* region: Generated step cleanup for Import File 10 */
687 %_flw_action_end(id-1745432393905-14187, WORK.CARRI_HAZ, WORK, "CARRI_HAZ");
_Flw_ACTION_TABLE_|WORK|CARRI_HAZ|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432393905-14187
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

688 /* endregion */
689
690 /*=====
691 * Node name:      Import File 11
692 * Node ID:        id-1745432401260-14328
693 *
694 * Input Files:
695 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/LIGHT_CON.csv
696 *
697 * Output Tables:
698 *   WORK.LIGHT_CON
699 *
700 * Step name:      Import
701 * Step path:       /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
702 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
703 *-----*/
704
705 /* region: Generated step setup */
706 %_flw_action_start(id-1745432401260-14328);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432401260-14328
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

707 /* endregion */
708
709 %LET global_validvarname = %sysfunc(getoption(validvarname));
```

```

710 OPTIONS VALIDVARNAME=ANY;
711 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/LIGHT_CON.csv" encoding="UTF-8";
712
713 /* Delete table WORK.LIGHT_CON */
714 proc datasets library = WORK memtype = (data view) nolist nowarn;
715   delete LIGHT_CON;
716 quit;
NOTE: Deleting WORK.LIGHT_CON (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

717
718 data WORK.LIGHT_CON;
719
720   attrib
721     light_con_id length = 8 format = BEST12. informat = BEST32. label = "light_con_id"
722     light_con_desc length = $28 format = $28. informat = $28. label = "light_con_desc";
723
724   infile _flw_fr
725     lrecl = 32767
726     encoding = "UTF-8"
727     delimiter = ','
728     firsttobs = 2
729     dsd
730     missover;
731
732   input
733     light_con_id
734     light_con_desc;
735 RUN;
NOTE: The infile _FLW_FR is:
      Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/LIGHT_CON.csv,
      Owner Name=UNKNOWN,Group Name=UNKNOWN,
      Access Permission=rwxr-xr-x,
      Last Modified=23Apr2025:19:08:45,
      File Size (bytes)=176
NOTE: 6 records were read from the infile _FLW_FR.
      The minimum record length was 10.
      The maximum record length was 31.
NOTE: The data set WORK.LIGHT_CON has 6 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

736
737 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
738 OPTIONS VALIDVARNAME=&global_validvarname;
739
740 /* region: Generated step cleanup for Import File 11 */
741 %_flw_action_end(id-1745432401260-14328, WORK.LIGHT_CON, WORK, "LIGHT_CON");
_FLW_ACTION_TABLE_|WORK|LIGHT_CON|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432401260-14328
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

742 /* endregion */
743
744 /*=====
745 * Node name:      Import File 5
746 * Node ID:        id-1745432234650-9066
747 *
748 * Input Files:
749 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_SURF_CON.csv
750 *
751 * Output Tables:
752 *   WORK.ROAD_SURF_CON
753 *
754 * Step name:      Import
755 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
756 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
757 *-----*/
758
759 /* region: Generated step setup */
760 %_flw_action_start(id-1745432234650-9066);
_FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432234650-9066
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

761 /* endregion */
762
763 %LET global_validvarname = %sysfunc(getoption(validvarname));
764 OPTIONS VALIDVARNAME=ANY;
765 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_SURF_CON.csv" encoding="UTF-8";
766
767 /* Delete table WORK.ROAD_SURF_CON */
768 proc datasets library = WORK memtype = (data view) nolist nowarn;
769   delete ROAD_SURF_CON;
770 quit;

```

```

NOTE: Deleting WORK.ROAD_SURF_CON (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

771
772 data WORK.ROAD_SURF_CON;
773
774   attrib
775     road_surf_con_id length = 8 format = BEST12. informat = BEST32. label = "road_surf_con_id"
776     road_surf_con_desc length = $28 format = $28. informat = $28. label = "road_surf_con_desc";
777
778   infile _flw_fr
779     lrecl = 32767
780     encoding ="UTF-8"
781     delimiter = ','
782     firstobs = 2
783     dsd
784     missover;
785
786   input
787     road_surf_con_id
788     road_surf_con_desc;
789 RUN;

NOTE: The infile _FLW_FR is:
  Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_SURF_CON.csv,
  Owner Name=UNKNOWN,Group Name=UNKNOWN,
  Access Permission=rwxr-xr-x,
  Last Modified=23Apr2025:19:08:44,
  File Size (bytes)=181
NOTE: 9 records were read from the infile _FLW_FR.
      The minimum record length was 5.
      The maximum record length was 31.
NOTE: The data set WORK.ROAD_SURF_CON has 9 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

790
791 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
792 OPTIONS VALIDVARNAME=&global_validvarname;
793
794 /* region: Generated step cleanup for Import File 5 */
795 %_flw_action_end(id-1745432234650-9066, WORK.ROAD_SURF_CON, WORK, "ROAD_SURF_CON");
_FLW_ACTION_TABLE_|WORK|ROAD_SURF_CON|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432234650-9066
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

796 /* endregion */
797
798 /*=====
799 * Node name:      Import File 6
800 * Node ID:        id-1745432241588-9194
801 *
802 * Input Files:
803 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_TYPE.csv
804 *
805 * Output Tables:
806 *   WORK.ROAD_TYPE
807 *
808 * Step name:      Import
809 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
810 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
811 *-----*/
812
813 /* region: Generated step setup */
814 %_flw_action_start(id-1745432241588-9194);
_FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432241588-9194
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

815 /* endregion */
816
817 %LET global_validvarname = %sysfunc(getoption(validvarname));
818 OPTIONS VALIDVARNAME=ANY;
819 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_TYPE.csv" encoding="UTF-8";
820
821 /* Delete table WORK.ROAD_TYPE */
822 proc datasets library = WORK memtype = (data view) nolist nowarn;
823   delete ROAD_TYPE;
824 quit;
NOTE: Deleting WORK.ROAD_TYPE (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

825
826 data WORK.ROAD_TYPE;
```

```

827
828     attrib
829     road_type_id length = 8 format = BEST12. informat = BEST32. label = "road_type_id"
830     road_type_desc length = $28 format = $28. informat = $28. label = "road_type_desc";
831
832     infile _flw_fr
833     lrecl = 32767
834     encoding ="UTF-8"
835     delimiter = ','
836     firstobs = 2
837     dsd
838     missover;
839
840     input
841     road_type_id
842     road_type_desc;
843 RUN;
NOTE: The infile _FLW_FR is:
Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/ROAD_TYPE.csv,
Owner Name=UNKNOWN,Group Name=UNKNOWN,
Access Permission=-rwxr-xr-x,
Last Modified=23Apr2025:19:08:35,
File Size (bytes)=180
NOTE: 8 records were read from the infile _FLW_FR.
The minimum record length was 9.
The maximum record length was 31.
NOTE: The data set WORK.ROAD_TYPE has 8 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

844
845 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
846 OPTIONS VALIDVARNAME=&global_validvarname;
847
848 /* region: Generated step cleanup for Import File 6 */
849 %_flw_action_end(id-1745432241588-9194, WORK.ROAD_TYPE, WORK, "ROAD_TYPE");
_Flw_ACTION_TABLE_|WORK|ROAD_TYPE|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432241588-9194
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

850 /* endregion */
851
852 /*=====
853 * Node name:      Import File 7
854 * Node ID:        id-1745432251302-9359
855 *
856 * Input Files:
857 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/SPEC_CON_SITE.csv
858 *
859 * Output Tables:
860 *   WORK.SPEC_CON_SITE
861 *
862 * Step name:      Import
863 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
864 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
865 *-----*/
866
867 /* region: Generated step setup */
868 %_flw_action_start(id-1745432251302-9359);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432251302-9359
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

869 /* endregion */
870
871 %LET global_validvarname = %sysfunc(getoption(validvarname));
872 OPTIONS VALIDVARNAME=ANY;
873 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/SPEC_CON_SITE.csv" encoding="UTF-8";
874
875 /* Delete table WORK.SPEC_CON_SITE */
876 proc datasets library = WORK memtype = (data view) nolist nowarn;
877     delete SPEC_CON_SITE;
878 quit;
NOTE: Deleting WORK.SPEC_CON_SITE (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

879
880 data WORK.SPEC_CON_SITE;
881
882     attrib
883     spec_con_site_id length = 8 format = BEST12. informat = BEST32. label = "spec_con_site_id"
884     spec_con_site_desc length = $42 format = $42. informat = $42. label = "spec_con_site_desc";
885
886     infile _flw_fr
887     lrecl = 32767

```

```

888   encoding ="UTF-8"
889   delimiter = ','
890   firsttobs = 2
891   dsd
892   missover;
893
894   input
895   spec_con_site_id
896   spec_con_site_desc;
897 RUN;
NOTE: The infile _FLW_FR is:
  Filepath=/export/viya/homes/di00222@surrey.ac.uk/casuser/SPEC_CON_SITE.csv,
  Owner Name=UNKNOWN,Group Name=UNKNOWN,
  Access Permission=-rwxr-xr-x,
  Last Modified=23Apr2025:19:08:34,
  File Size (bytes)=262
NOTE: 10 records were read from the infile _FLW_FR.
  The minimum record length was 5.
  The maximum record length was 44.
NOTE: The data set WORK.SPEC_CON_SITE has 10 observations and 2 variables.
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

898
899 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
900 OPTIONS VALIDVARNAME=&global_validvarname;
901
902 /* region: Generated step cleanup for Import File 7 */
903 %_flw_action_end(id-1745432251302-9359, WORK.SPEC_CON_SITE, WORK, "SPEC_CON_SITE");
904 _FLW_ACTION_TABLE_|WORK|SPEC_CON_SITE|1
905 _FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432251302-9359
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

906 /* endregion */
907
908 /*=====
909 * Node name:      Import File 8
910 * Node ID:        id-1745432259622-10294
911 *
912 * Input Files:
913 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/WEATH_CON.csv
914 *
915 * Output Tables:
916 *   WORK.WEATH_CON
917 *
918 * Step name:      Import
919 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
920 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
921 *-----*/
922
923 /* region: Generated step setup */
924 %_flw_action_start(id-1745432259622-10294);
925 _FLW_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432259622-10294
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

926 /* endregion */
927
928 %LET global_validvarname = %sysfunc(getoption(validvarname));
929 OPTIONS VALIDVARNAME=ANY;
930 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/WEATH_CON.csv" encoding="UTF-8";
931
932 /* Delete table WORK.WEATH_CON */
933 proc datasets library = WORK memtype = (data view) nolist nowarn;
934   delete WEATH_CON;
935   quit;
NOTE: Deleting WORK.WEATH_CON (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

936 data WORK.WEATH_CON;
937   attrib
938     weath_con_id length = 8 format = BEST12. informat = BEST32. label = "weath_con_id"
939     weath_con_desc length = $28 format = $28. informat = $28. label = "weath_con_desc";
940
941   infile _flw_fr
942     lrecl = 32767
943     encoding ="UTF-8"
944     delimiter = ','
945     firsttobs = 2
946     dsd
947     missover;
948   input

```

```

949      weath_con_id
950      weath_con_desc;
951 RUN;
NOTE: The infile _FLW_FR is:
  Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/WEATH_CON.csv,
  Owner Name=UNKNOWN,Group Name=UNKNOWN,
  Access Permission=-rwxr-xr-x,
  Last Modified=23Apr2025:19:08:29,
  File Size (bytes)=227
NOTE: 10 records were read from the infile _FLW_FR.
  The minimum record length was 7.
  The maximum record length was 31.
NOTE: The data set WORK.WEATH_CON has 10 observations and 2 variables.
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

952
953 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
954 OPTIONS VALIDVARNAME=&global_validvarname;
955
956 /* region: Generated step cleanup for Import File 8 */
957 %_flw_action_end(id-1745432259622-10294, WORK.WEATH_CON, WORK, "WEATH_CON");
_Flw_ACTION_TABLE_|WORK|WEATH_CON|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432259622-10294
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

958 /* endregion */
959
960 /*=====
961 * Node name:      Import File 9
962 * Node ID:        id-1745432265889-10448
963 *
964 * Input Files:
965 *   /export/viya/homes/di00222@surrey.ac.uk/casuser/URB_OR_RUR.csv
966 *
967 * Output Tables:
968 *   WORK.URB_OR_RUR
969 *
970 * Step name:      Import
971 * Step path:      /dataFlows/steps/d38ccdec-66bc-43d0-84f0-faf8d-legacy
972 * Step description: Import step; used to import Delimited, Fixed-Width and Microsoft Excel files into SAS
973 *-----*/
974
975 /* region: Generated step setup */
976 %_flw_action_start(id-1745432265889-10448);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745432265889-10448
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

977 /* endregion */
978
979 %LET global_validvarname = %sysfunc(getoption(validvarname));
980 OPTIONS VALIDVARNAME=ANY;
981 FILENAME _flw_fr "/export/viya/homes/di00222@surrey.ac.uk/casuser/URB_OR_RUR.csv" encoding="UTF-8";
982
983 /* Delete table WORK.URB_OR_RUR */
984 proc datasets library = WORK memtype = (data view) nolist nowarn;
985   delete URB_OR_RUR;
986 quit;
NOTE: Deleting WORK.URB_OR_RUR (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

987
988 data WORK.URB_OR_RUR;
989
990   attrib
991     urb_or_rur_id length = 8 format = BEST12. informat = BEST32. label = "urb_or_rur_id"
992     urb_or_rur_desc length = $28 format = $28. informat = $28. label = "urb_or_rur_desc"
993     VAR3 length = $1 format = $1. informat = $1. label = "VAR3"
994     VAR4 length = $1 format = $1. informat = $1. label = "VAR4"
995     VAR5 length = $1 format = $1. informat = $1. label = "VAR5"
996     VAR6 length = $1 format = $1. informat = $1. label = "VAR6"
997     VAR7 length = $1 format = $1. informat = $1. label = "VAR7"
998     VAR8 length = $1 format = $1. informat = $1. label = "VAR8"
999     VAR9 length = $1 format = $1. informat = $1. label = "VAR9";
1000
1001   infile _flw_fr
1002     lrecl = 32767
1003     encoding ="UTF-8"
1004     delimiter = ','
1005     firstobs = 2
1006     dsd
1007     missover;
1008
1009   input

```

```

1010     urb_or_rur_id
1011     urb_or_rur_desc
1012     VAR3
1013     VAR4
1014     VAR5
1015     VAR6
1016     VAR7
1017     VAR8
1018     VAR9;
1019 RUN;
NOTE: The infile _FLW_FR is:
  Filename=/export/viya/homes/di00222@surrey.ac.uk/casuser/URB_OR_RUR.csv,
  Owner Name=UNKNOWN,Group Name=UNKNOWN,
  Access Permission=rwxr-xr-x,
  Last Modified=23Apr2025:19:08:31,
  File Size (bytes)=237
NOTE: 13 records were read from the infile _FLW_FR.
      The minimum record length was 8.
      The maximum record length was 38.
NOTE: The data set WORK.URB_OR_RUR has 13 observations and 9 variables.
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1020
1021 FILENAME _flw_fr CLEAR;
NOTE: Fileref _FLW_FR has been deassigned.
1022 OPTIONS VALIDVARNAME=&global_validvarname;
1023
1024 /* region: Generated step cleanup for Import File 9 */
1025 %_flw_action_end(id-1745432265889-10448, WORK.URB_OR_RUR, WORK, "URB_OR_RUR");
_Flw_ACTION_TABLE_|WORK|URB_OR_RUR|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745432265889-10448
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1026 /* endregion */
1027
1028 /*=====
1029 * Node name:      carri_haz_merge
1030 * Node ID:        id-1745433706114-160843
1031 *
1032 * Input Tables:
1033 *   WORK._flw0021745433616284145936_0_0_3
1034 *   WORK.CARRI_HAZ
1035 *
1036 * Output Tables:
1037 *   WORK._flw0021745433706114160843_0_0_4
1038 *
1039 * Step name:      Query
1040 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1041 * Step description: Query tables.
1042 *-----*/
1043
1044 /* region: Generated step setup */
1045 %_flw_action_start(id-1745433706114-160843);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id-1745433706114-160843
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1046 /* endregion */
1047
1048 /* Delete table WORK._flw0021745433706114160843_0_0_4 */
1049 proc datasets library = WORK memtype = (data view) nolist nowarn;
1050   delete _flw0021745433706114160843_0_0_4;
1051 quit;
NOTE: Deleting WORK._FLW0021745433706114160843_0_0_4 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

1052
1053 PROC SQL;
1054   CREATE TABLE WORK._flw0021745433706114160843_0_0_4 AS
1055   SELECT
1056     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1057     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1058     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1059     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
1060     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1061     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1062     t1._months_ FORMAT=$3. INFORMAT=$3.,
1063     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1064     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1065     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1066     t1.time_category FORMAT=$5. INFORMAT=$5.,
1067     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1068     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1069     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1070     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,

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```

1071      t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,  

1072      t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,  

1073      t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,  

1074      t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,  

1075      t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,  

1076      t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,  

1077      t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,  

1078      t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,  

1079      t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,  

1080      t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,  

1081      t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,  

1082      t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,  

1083      t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,  

1084      t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,  

1085      t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,  

1086      t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,  

1087      t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,  

1088      t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,  

1089      t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,  

1090      t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,  

1091      t2.carri_haz FORMAT=$47. INFORMAT=$47. AS carri_haz1  

1092  FROM  

1093      WORK._flw0021745433706114160843_0_0_3 t1  

1094      INNER JOIN WORK.CARRI_HAZ t2 ON (t1.carri_haz = t2.carri_haz_id)  

1095 ;  

NOTE: Table WORK._FLW0021745433706114160843_0_0_4 created, with 2476 rows and 36 columns.  

1096 QUIT;  

NOTE: PROCEDURE SQL used (Total process time):  

  real time          0.00 seconds  

  cpu time          0.00 seconds  

  

1097 RUN;  

1098  

1099  

1100 /* region: Generated step cleanup for carri_haz_merge */  

1101 %_flw_action_end(id=1745433706114-160843, WORK._flw0021745433706114160843_0_0_4, WORK, "_flw0021745433706114160843_0_0_4");  

_Flw_ACTION_TABLE_[WORK]_flw0021745433706114160843_0_0_4|1  

_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id=1745433706114-160843  

NOTE: DATA statement used (Total process time):  

  real time          0.00 seconds  

  cpu time          0.00 seconds  

  

1102 /* endregion */  

1103  

1104 /*=====**  

1105 * Node name:      light_con_merge  

1106 * Node ID:        id-1745433799218-179082  

1107 *  

1108 * Input Tables:  

1109 *   WORK._flw0021745433706114160843_0_0_4  

1110 *   WORK.LIGHT_CON  

1111 *  

1112 * Output Tables:  

1113 *   WORK._flw0021745433799218179082_0_0_5  

1114 *  

1115 * Step name:      Query  

1116 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711  

1117 * Step description: Query tables.  

1118 *-----*/  

1119  

1120 /* region: Generated step setup */  

1121 %_flw_action_start(id=1745433799218-179082);  

_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id=1745433799218-179082  

NOTE: DATA statement used (Total process time):  

  real time          0.00 seconds  

  cpu time          0.00 seconds  

  

1122 /* endregion */  

1123  

1124 /* Delete table WORK._flw0021745433799218179082_0_0_5 */  

1125 proc datasets library = WORK memtype = (data view) nolist nowarn;  

1126     delete _flw0021745433799218179082_0_0_5;  

1127 quit;  

NOTE: Deleting WORK._FLW0021745433799218179082_0_0_5 (memtype=DATA).  

NOTE: PROCEDURE DATASETS used (Total process time):  

  real time          0.00 seconds  

  cpu time          0.00 seconds  

  

1128  

1129 PROC SQL;  

1130     CREATE TABLE WORK._flw0021745433799218179082_0_0_5 AS  

1131     SELECT  

1132         t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,  

1133         t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,  

1134         t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,  

1135         t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,  

1136         t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,  

1137         t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,  

1138         t1._months_ FORMAT=$3. INFORMAT=$3.,  

1139         t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,  

1140         t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,  

1141         t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
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1142      t1.time_category FORMAT=$5. INFORMAT=$5.,
1143      t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1144      t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1145      t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1146      t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1147      t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1148      t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1149      t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1150      t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1151      t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1152      t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1153      t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1154      t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1155      t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1156      t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1157      t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1158      t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1159      t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1160      t1.lsao_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1161      t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1162      t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1163      t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1164      t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1165      t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1166      t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1167      t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
1168      t2.light_con_desc FORMAT=$28. INFORMAT=$28.
1169  FROM
1170      WORK._flw0021745433706114160843_0_0_4 t1
1171      INNER JOIN WORK.LIGHT_CON t2 ON (t1.light_con = t2.light_con_id)
1172  ;
NOTE: Table WORK._FLW0021745433799218179082_0_0_5 created, with 2476 rows and 37 columns.
1173 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

1174 RUN;
1175
1176
1177 /* region: Generated step cleanup for light_con_merge */
1178 %_flw_action_end(id=1745433799218-179082, WORK._flw0021745433799218179082_0_0_5, WORK, "_flw0021745433799218179082_0_0_5");
_Flw_Action_Table_|WORK|_flw0021745433799218179082_0_0_5|1
_Flw_Action_End_|2025-05-07T13:45:46+00:00|id=1745433799218-179082
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1179 /* endregion */
1180
1181 /*=====
1182 * Node name:      road_surf_con_merge
1183 * Node ID:        id-1745433916553-202183
1184 *
1185 * Input Tables:
1186 *   WORK._flw0021745433799218179082_0_0_5
1187 *   WORK.ROAD_SURF_CON
1188 *
1189 * Output Tables:
1190 *   WORK._flw0021745433916553202183_0_0_6
1191 *
1192 * Step name:      Query
1193 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1194 * Step description: Query tables.
1195 *-----*/
1196
1197 /* region: Generated step setup */
1198 %_flw_action_start(id=1745433916553-202183);
_Flw_Action_Start_|2025-05-07T13:45:46+00:00|id=1745433916553-202183
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

1199 /* endregion */
1200
1201 /* Delete table WORK._flw0021745433916553202183_0_0_6 */
1202 proc datasets library = WORK memtype = (data view) nolist nowarn;
1203   delete _flw0021745433916553202183_0_0_6;
1204 quit;
NOTE: Deleting WORK._FLW0021745433916553202183_0_0_6 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

1205
1206 PROC SQL;
1207   CREATE TABLE WORK._flw0021745433916553202183_0_0_6 AS
1208   SELECT
1209     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1210     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1211     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1212     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,

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```

1213      t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1214      t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1215      t1._months_ FORMAT=$3. INFORMAT=$3.,
1216      t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1217      t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1218      t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1219      t1.time_category FORMAT=$5. INFORMAT=$5.,
1220      t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1221      t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1222      t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1223      t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1224      t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1225      t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1226      t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1227      t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1228      t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1229      t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1230      t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1231      t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1232      t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1233      t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1234      t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1235      t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1236      t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1237      t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1238      t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1239      t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1240      t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1241      t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1242      t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1243      t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1244      t1.carri_hazi FORMAT=$47. INFORMAT=$47.,
1245      t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
1246      t2.road_surf_con_desc FORMAT=$28. INFORMAT=$28.
1247 FROM
1248   WORK._flw0021745433799218179082_0_0_5 t1
1249     INNER JOIN WORK.ROAD_SURF_CON t2 ON (t1.road_surf_con = t2.road_surf_con_id)
1250 ;
NOTE: Table WORK._FLW0021745433916553202183_0_0_6 created, with 2476 rows and 38 columns.
1251 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time            0.00 seconds
      cpu time             0.00 seconds

1252 RUN;
1253
1254
1255 /* region: Generated step cleanup for road_surf_con_merge */
1256 %_flw_action_end(id=1745433916553-202183, WORK._flw0021745433916553202183_0_0_6, WORK, "_flw0021745433916553202183_0_0_6");
_Flw_ACTION_TABLE_|_WORK_|_flw0021745433916553202183_0_0_6|1
_Flw_ACTION_END_|2025-05-07T13:45:46+00:00|id=1745433916553-202183
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time             0.00 seconds

1257 /* endregion */
1258
1259 /*=====
1260 * Node name:          road_type_merge
1261 * Node ID:           id-1745433999861-227284
1262 *
1263 * Input Tables:
1264 *   WORK._flw0021745433916553202183_0_0_6
1265 *   WORK.ROAD_TYPE
1266 *
1267 * Output Tables:
1268 *   WORK._flw0021745433999861227284_0_0_7
1269 *
1270 * Step name:          Query
1271 * Step path:          /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1272 * Step description:  Query tables.
1273 *-----*/
1274
1275 /* region: Generated step setup */
1276 %_flw_action_start(id=1745433999861-227284);
_Flw_ACTION_START_|2025-05-07T13:45:46+00:00|id=1745433999861-227284
NOTE: DATA statement used (Total process time):
      real time            0.00 seconds
      cpu time             0.00 seconds

1277 /* endregion */
1278
1279 /* Delete table WORK._flw0021745433999861227284_0_0_7 */
1280 proc datasets library = WORK memtype = (data view) nolist nowarn;
1281   delete _flw0021745433999861227284_0_0_7;
1282 quit;
NOTE: Deleting WORK._FLW0021745433999861227284_0_0_7 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time            0.00 seconds
      cpu time             0.00 seconds

```

```

1284 PROC SQL;
1285   CREATE TABLE WORK._flw0021745433999861227284_0_0_7 AS
1286   SELECT
1287     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1288     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1289     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1290     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
1291     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1292     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1293     t1._months_ FORMAT=$3. INFORMAT=$3.,
1294     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1295     t1.time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1296     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1297     t1.time_category FORMAT=$5. INFORMAT=$5.,
1298     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1299     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1300     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1301     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1302     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1303     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1304     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1305     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1306     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1307     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1308     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1309     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1310     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1311     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1312     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1313     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1314     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1315     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1316     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1317     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1318     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1319     t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1320     t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1321     t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1322     t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
1323     t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
1324     t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
1325     t2.road_type_desc FORMAT=$28. INFORMAT=$28.
1326 FROM
1327   WORK._flw0021745433916553202183_0_0_6 t1
1328   INNER JOIN WORK.ROAD_TYPE t2 ON (t1.road_type = t2.road_type_id)
1329 ;
NOTE: Table WORK._FLW0021745433999861227284_0_0_7 created, with 2476 rows and 39 columns.
1330 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.01 seconds

1331 RUN;
1332
1333
1334 /* region: Generated step cleanup for road_type_merge */
1335 %_flw_action_end(id-1745433999861-227284, WORK._flw0021745433999861227284_0_0_7, WORK, "_flw0021745433999861227284_0_0_7");
_Flw_Action_Table_|_WORK_|_flw0021745433999861227284_0_0_7|1
_Flw_Action_End_|2025-05-07T13:45:46+00:00|id-1745433999861-227284
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1336 /* endregion */
1337
1338 /*=====
1339 * Node name:      spec_con_site_merge
1340 * Node ID:        id-1745434059037-252464
1341 *
1342 * Input Tables:
1343 *   WORK._flw0021745433999861227284_0_0_7
1344 *   WORK.SPEC_CON_SITE
1345 *
1346 * Output Tables:
1347 *   WORK._flw0021745434059037252464_0_0_8
1348 *
1349 * Step name:      Query
1350 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1351 * Step description: Query tables.
1352 *-----*/
1353
1354 /* region: Generated step setup */
1355 %_flw_action_start(id-1745434059037-252464);
_Flw_Action_Start_|2025-05-07T13:45:46+00:00|id-1745434059037-252464
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1356 /* endregion */
1357
1358 /* Delete table WORK._flw0021745434059037252464_0_0_8 */
1359 proc datasets library = WORK memtype = (data view) nolist nowarn;

```

```

1360     delete _flw0021745434059037252464_0_0_8;
1361     quit;
NOTE: Deleting WORK._FLW0021745434059037252464_0_0_8 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1362
1363 PROC SQL;
1364   CREATE TABLE WORK._flw0021745434059037252464_0_0_8 AS
1365   SELECT
1366     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1367     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1368     t1.loc_nor_osgn FORMAT=BEST12. INFORMAT=BEST32.,
1369     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
1370     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1371     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1372     t1._months_ FORMAT=$3. INFORMAT=$3.,
1373     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1374     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1375     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1376     t1.time_category FORMAT=$5. INFORMAT=$5.,
1377     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1378     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1379     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1380     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1381     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1382     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1383     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1384     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1385     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1386     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1387     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1388     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1389     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1390     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1391     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1392     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1393     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1394     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1395     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1396     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1397     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1398     t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1399     t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1400     t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1401     t1.carri_haz1 FORMAT=$47. INFORMAT=$47.,
1402     t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
1403     t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
1404     t1.road_type_desc FORMAT=$28. INFORMAT=$28.,
1405     t2.spec_con_site_desc FORMAT=$42. INFORMAT=$42.
1406   FROM
1407     WORK._flw0021745433999861227284_0_0_7 t1
1408     INNER JOIN WORK.SPEC_CON_SITE t2 ON (t1.spec_con_site = t2.spec_con_site_id)
1409 ;
NOTE: Table WORK._FLW0021745434059037252464_0_0_8 created, with 2476 rows and 40 columns.
1410 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1411 RUN;
1412
1413
1414 /* region: Generated step cleanup for spec_con_site_merge */
1415 %_flw_action_end(id-1745434059037-252464, WORK._flw0021745434059037252464_0_0_8, WORK, "_flw0021745434059037252464_0_0_8");
_FLW_ACTION_TABLE_|WORK|_flw0021745434059037252464_0_0_8|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id-1745434059037-252464
NOTE: DATA statement used (Total process time):
      real time          0.00 seconds
      cpu time          0.00 seconds

1416 /* endregion */
1417
1418 /*=====
1419 * Node name:      weat_con_merge
1420 * Node ID:        id-1745434151043-286575
1421 *
1422 * Input Tables:
1423 *   WORK._flw0021745434059037252464_0_0_8
1424 *   WORK.WEATH_CON
1425 *
1426 * Output Tables:
1427 *   WORK._flw0021745434151043286575_0_0_9
1428 *
1429 * Step name:      Query
1430 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1431 * Step description: Query tables.
1432 *-----*/
1433
1434 /* region: Generated step setup */
1435 %_flw_action_start(id-1745434151043-286575);

```

\_FLW\_ACTION\_START\_| 2025-05-07T13:45:46+00:00| id=1745434151043-286575  
**NOTE: DATA statement used (Total process time):**  
 real time 0.00 seconds  
 cpu time 0.00 seconds

```

1436 /* endregion */
1437
1438 /* Delete table WORK._flw0021745434151043286575_0_0_9 */
1439 proc datasets library = WORK memtype = (data view) nolist nowarn;
1440   delete _flw0021745434151043286575_0_0_9;
1441 quit;
NOTE: Deleting WORK._FLW0021745434151043286575_0_0_9 (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
  real time 0.00 seconds
  cpu time 0.00 seconds

1442
1443 PROC SQL;
1444   CREATE TABLE WORK._flw0021745434151043286575_0_0_9 AS
1445   SELECT
1446     t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1447     t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1448     t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1449     t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
1450     t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1451     t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1452     t1._months_ FORMAT=$3. INFORMAT=$3.,
1453     t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1454     t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1455     t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1456     t1.time_category FORMAT=$5. INFORMAT=$5.,
1457     t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1458     t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1459     t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1460     t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1461     t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1462     t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1463     t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1464     t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1465     t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1466     t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1467     t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1468     t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1469     t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1470     t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1471     t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1472     t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1473     t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1474     t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1475     t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1476     t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1477     t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1478     t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1479     t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1480     t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1481     t1.carri_hazi FORMAT=$47. INFORMAT=$47.,
1482     t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
1483     t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
1484     t1.road_type_desc FORMAT=$28. INFORMAT=$28.,
1485     t1.spec_con_site_desc FORMAT=$42. INFORMAT=$42.,
1486     t2.weath_con_desc FORMAT=$28. INFORMAT=$28.
1487   FROM
1488     WORK._flw0021745434059037252464_0_0_8 t1
1489     INNER JOIN WORK.WEATH_CON t2 ON (t1.weath_con = t2.weath_con_id)
1490 ;
NOTE: Table WORK._FLW0021745434151043286575_0_0_9 created, with 2476 rows and 41 columns.
1491 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
  real time 0.00 seconds
  cpu time 0.01 seconds

1492 RUN;
1493
1494
1495 /* region: Generated step cleanup for weat_con_merge */
1496 %_flw_action_end(id=1745434151043-286575, WORK._flw0021745434151043286575_0_0_9, WORK, "_flw0021745434151043286575_0_0_9");
_FLW_ACTION_TABLE_|WORK|_flw0021745434151043286575_0_0_9|1
_FLW_ACTION_END_|2025-05-07T13:45:46+00:00|id=1745434151043-286575
NOTE: DATA statement used (Total process time):
  real time 0.00 seconds
  cpu time 0.00 seconds

1497 /* endregion */
1498
1499 /*=====
1500 * Node name:      road_acci_cleaned_merged
1501 * Node ID:        id=1745434230337-327151
1502 *
1503 * Input Tables:
1504 *   WORK._flw0021745434151043286575_0_0_9
1505 *   WORK.URB_OR_RUR
1506 *
```

```

1507 * Output Tables:
1508 *   WORK._flw0021745434230337327151_0_0_a
1509 *
1510 * Step name:      Query
1511 * Step path:      /dataFlows/steps/c072ab75-0a02-4aa1-acf3-63fe9c17a711
1512 * Step description: Query tables.
1513 *-----*/
1514
1515 /* region: Generated step setup */
1516 %_flw_action_start(id=1745434230337-327151);
_Flw_ACTION_START_| 2025-05-07T13:45:46+00:00|id=1745434230337-327151
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

1517 /* endregion */
1518
1519 /* Delete table WORK._flw0021745434230337327151_0_0_a */
1520 proc datasets library = WORK memtype = (data view) nolist nowarn;
1521   delete _flw0021745434230337327151_0_0_a;
1522 quit;
NOTE: Deleting WORK._FLW0021745434230337327151_0_0_A (memtype=DATA).
NOTE: PROCEDURE DATASETS used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

1523
1524 PROC SQL;
1525   CREATE TABLE WORK._flw0021745434230337327151_0_0_a AS
1526     SELECT
1527       t1.acci_ref FORMAT=BEST12. INFORMAT=BEST32.,
1528       t1.loc_east_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1529       t1.loc_nor_osgr FORMAT=BEST12. INFORMAT=BEST32.,
1530       t1.longitude FORMAT=BEST12. INFORMAT=BEST32.,
1531       t1.latitude FORMAT=BEST12. INFORMAT=BEST32.,
1532       t1.'date'n FORMAT=MMDDYY10. INFORMAT=MMDDYY10.,
1533       t1._months_ FORMAT=$3. INFORMAT=$3.,
1534       t1.day_of_week FORMAT=BEST12. INFORMAT=BEST32.,
1535       t1.'time'n FORMAT=TIME20.3 INFORMAT=TIME20.3,
1536       t1.hour_of_day FORMAT=BEST12. INFORMAT=BEST32.,
1537       t1.time_category FORMAT=$5. INFORMAT=$5.,
1538       t1.loc_auth_ons_distr FORMAT=$9. INFORMAT=$9.,
1539       t1.first_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1540       t1.first_road_num FORMAT=BEST12. INFORMAT=BEST32.,
1541       t1.road_type FORMAT=BEST12. INFORMAT=BEST32.,
1542       t1.speed_limit FORMAT=BEST12. INFORMAT=BEST32.,
1543       t1.junc_detail FORMAT=BEST12. INFORMAT=BEST32.,
1544       t1.sec_road_class FORMAT=BEST12. INFORMAT=BEST32.,
1545       t1.ped_cross_hum_con FORMAT=BEST12. INFORMAT=BEST32.,
1546       t1.ped_cross_phy_facil FORMAT=BEST12. INFORMAT=BEST32.,
1547       t1.light_con FORMAT=BEST12. INFORMAT=BEST32.,
1548       t1.weath_con FORMAT=BEST12. INFORMAT=BEST32.,
1549       t1.road_surf_con FORMAT=BEST12. INFORMAT=BEST32.,
1550       t1.spec_con_site FORMAT=BEST12. INFORMAT=BEST32.,
1551       t1.carri_haz FORMAT=BEST12. INFORMAT=BEST32.,
1552       t1.urb_or_rur_area FORMAT=BEST12. INFORMAT=BEST32.,
1553       t1.did_poli_offi_att FORMAT=BEST12. INFORMAT=BEST32.,
1554       t1.tru_road_flag FORMAT=BEST12. INFORMAT=BEST32.,
1555       t1.lsoa_of_acc_loc FORMAT=$9. INFORMAT=$9.,
1556       t1.num_of_casu FORMAT=BEST12. INFORMAT=BEST32.,
1557       t1.num_of_vehi FORMAT=BEST12. INFORMAT=BEST32.,
1558       t1.acci_severity FORMAT=BEST12. INFORMAT=BEST32.,
1559       t1.junc_detail_desc FORMAT=$35. INFORMAT=$35.,
1560       t1.ped_cross_hum_con_desc FORMAT=$34. INFORMAT=$34.,
1561       t1.ped_cross_phy_facil_desc FORMAT=$75. INFORMAT=$75.,
1562       t1.carri_hazi FORMAT=$47. INFORMAT=$47.,
1563       t1.light_con_desc FORMAT=$28. INFORMAT=$28.,
1564       t1.road_surf_con_desc FORMAT=$28. INFORMAT=$28.,
1565       t1.road_type_desc FORMAT=$28. INFORMAT=$28.,
1566       t1.spec_con_site_desc FORMAT=$42. INFORMAT=$42.,
1567       t1.weath_con_desc FORMAT=$28. INFORMAT=$28.,
       t2.urb_or_rur_desc FORMAT=$28. INFORMAT=$28.
1569   FROM
1570     WORK._flw0021745434151043286575_0_0_9 t1
1571     INNER JOIN WORK.URB_OR_RUR t2 ON (t1.urb_or_rur_area = t2.urb_or_rur_id)
1572 ;
NOTE: Table WORK._FLW0021745434230337327151_0_0_A created, with 2476 rows and 42 columns.
1573 QUIT;
NOTE: PROCEDURE SQL used (Total process time):
  real time          0.00 seconds
  cpu time          0.01 seconds

1574 RUN;
1575
1576
1577 /* region: Generated step cleanup for road_acci_cleaned_merged */
1578 %_flw_action_end(id=1745434230337-327151, WORK._flw0021745434230337327151_0_0_a, WORK, "_flw0021745434230337327151_0_0_a");
_Flw_ACTION_TABLE_|WORK|_flw0021745434230337327151_0_0_a|1
_Flw_ACTION_END_| 2025-05-07T13:45:46+00:00|id=1745434230337-327151
NOTE: DATA statement used (Total process time):
  real time          0.00 seconds
  cpu time          0.00 seconds

```

```
1579 /* endregion */
1580
1581 /* region: Generated flow cleanup */
1582 %sysmacdelete _flw_action_start;
1583 %sysmacdelete _flw_action_end;
1584 /* endregion */
1585 /* region: Generated postamble */
1586
1587 /* Close ODS destinations */
1588 &graphterm; ;*';*";*/run;quit;
1589 quit;run;
1590 ods html5 (id=web) close;
1591 ods listing close;
1592 %if %sysfunc(fileref(_gsfname)) lt 0 %then %do;
1593     filename _gsfname clear;
NOTE: Fileref _GSFNAME has been deassigned.
1594 %end;
1595
1596 /* endregion */
1597
1598
1599
```

---

**Results:Road\_Accident\_SQLMerge\_Descriprtion.flw**