

Keeping Track of Database Changes During Database Lock

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Introduction

Activities during Database Lock (DBL)

- Data Management
- Programming
- Statistics

Comparison of Data transfers

Obs	src	Domain name
1	In current directory but not previous directory	RA
2	In current directory but not previous directory	SS1
3	In previous directory but not current directory	DNA
4	In previous directory but not current directory	DS3

Comparison of Data transfers...

Obs	domain	old_N	new_N	difference
1	AE	1199	1208	9
2	CE	134	133	-1
3	CM	4206	4208	2
4	DA	12555	12560	5
5	FA	2805	2827	22
6	LB	120153	120151	-2
7	SV	6436	6430	-6

Comparison of Data transfers...

Obs	_TYPE_	_OBS_	DOMAIN	USUBJID	DSSEQ	DSTERM
1	BASE	289	DS	XYZ-101	1	INVESTIGATOR DECISION
2	COMPARE	289	DS	XYZ101	1	ADVERSE EVENT
3	DIF	289	..		E	XX..XXXXXXXXXXXXXXXXXXXXX.....
4	BASE	290	DS	XYZ-102	2	INVESTIGATOR DECISION
5	COMPARE	290	DS	XYZ-102	2	ADVERSE EVENT
6	DIF	290	..		E	XX..XXXXXXXXXXXXXXXXXXXXX.....

Macro Parameters

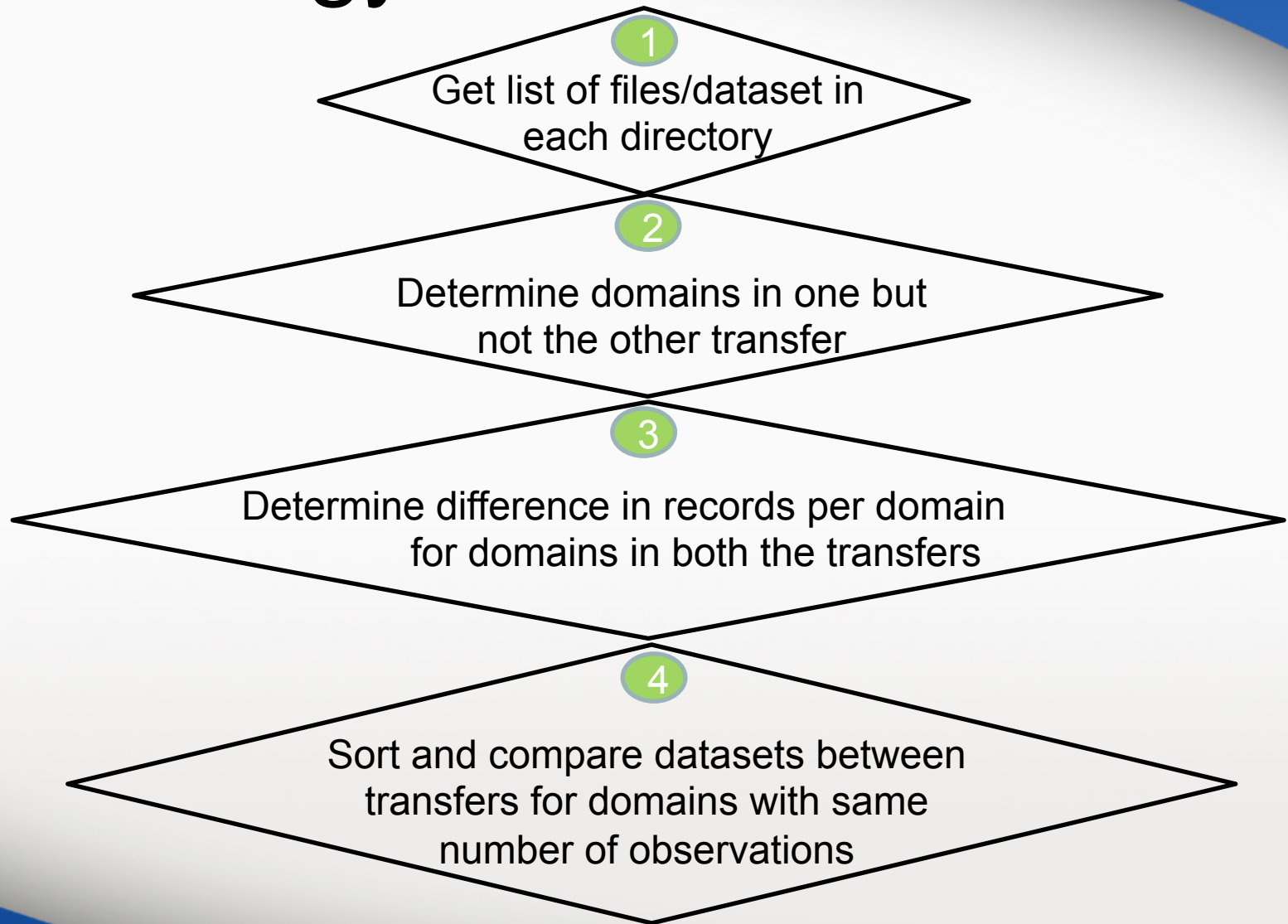
CRTDIR= < DIRECTORY LOCATION OF CURRENT DATA TRANSFER >

PREVDIR= < DIRECTORY LOCATION OF PREVIOUS TRANSFER >

OUTDIR= < DIRECTORY LOCATION WHERE REPORT IS TO BE SAVED >

DROPVAR= < VARIABLES TO BE DROPPED FOR COMPARISON >

Methodology



Data Driven Programming

```
/* create macro call by concatenating text required and
assigning temporary datasets */
data x1;
    length allcmp1 $400;
    set lst end=eof;
    nds=cats('ds',_n_);
    allcmp1=cats('%allcmp1(inds=',memname,',nds=ds',_n_,')');
    ??????????????
run;
```

Data Driven Programming...

allcmp1	MEMNAME	nds
%allcmp1(inds=AE1,nds=ds1)	AE1	ds1
%allcmp1(inds=AEYN,nds=ds2)	AEYN	ds2
%allcmp1(inds=BBS,nds=ds3)	BBS	ds3
%allcmp1(inds=BLOOD,nds=ds4)	BLOOD	ds4
%allcmp1(inds=CE,nds=ds5)	CE	ds5
%allcmp1(inds=CH,nds=ds6)	CH	ds6
%allcmp1(inds=CM1,nds=ds7)	CM1	ds7

Data Driven Programming...

```
/* create macro call by concatenating text required and
assigning temporary datasets */
data x1;
    length allcmp1 $400;
    set lst end=eof;
    nds=cats('ds',_n_);
    allcmp1=cats('%allcmp1(inds=',memname,',nds=ds',_n_,')');

run,call execute(allcmp1);
```

Sorting

```
/* sort individual domains using all  
variables available in the domain */  
proc sort data=prevdir.&inds out=src1;  
    by _ALL_ ;  
run;
```

Caveat

For LB sorting by :

USUBJID LBCAT LBTESTCD LBTEST LBDTC VISITNUM VISIT LBORRES

Dataset Comparison

```
proc compare base=src1
  %if (&dropvar) ^= %then %do; (drop=&dropvar)
    compare=src2 (drop=&dropvar)
  %end;
  %else %if (&dropvar) = %then %do;
    compare=src2
  %end;
outnoequal outbase outcomp outdiff noprint
  out=compare;
run;
```

ODS Tagsets

```
/* create excel report for missing domains */  
ods Tagsets.ExcelXP file="&outdir/report_&sysdate..xml" ;  
ods tagsets.ExcelXP options(Sheet_Name="Missing domain");  
title 'Domains missing between Transfers';  
  
proc print data=misdom label;  
run;  
  
ods Tagsets.ExcelXP close;
```



МЕРЦИ

TERIMA KASIH

GRACIAS

TAKK SALAMAT
OBRIGADO

GRAZIE

謝謝

KIITOS

БЛАГОДАРЯ

DZIĘKUJE

DANK U

감사합니다

DANKIE
TƏŞƏKKÜR

ありがとう

PAKKA PÉR

DĚKUJI

СПАСИБО

DANKE

MULȚUMESC TACK

FALEMNIDERIT

THANK YOU