Wait! There is more …
# What about Privacy ?

- Due to privacy concerns, you are not allowed to see all the identifying information during the user study

- We have attempted to convey sufficient information for the record linkage task

- The upcoming pages will give you an understanding of how the data is disclosed on a need to know basis

Checkmarks: Identical values

- Identical values are represented by checkmarks
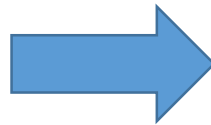
TIPTON
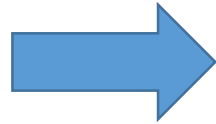
TIPTON

stars (*s) are used for Similar Values

- When two items are the similar, the characters that are the same are represented by stars (*s).

- Only the characters that are different are revealed.

BRIAN
+
BRIAN**NA**

*****
+
*******NA**

07/15/1924
✕
07/15/1963

→

//**24
✕
//**63

09/22/1926
⇄
09/22/1962

//**26
⇄
//**62

Different items

- When two items are completely different, they are left fully revealed.

MORGAN
(DIFF)
ALLISON

- The exception to this rule is the registration number, which are never allowed to be revealed fully. When registration numbers are entirely different, they are represented by a string of @s and &s

2514103292
(DIFF)
1719852520

@@@@@@@@@@
(DIFF)
&&&&&&&&&&
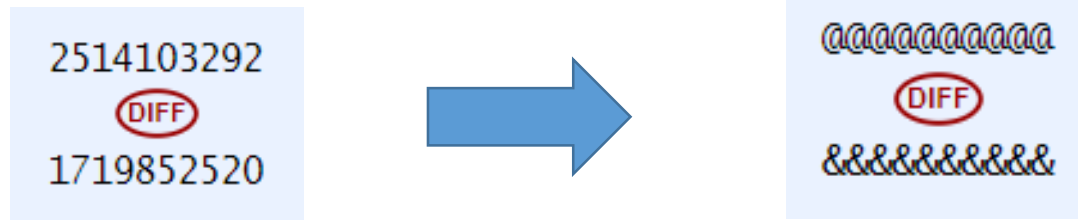
Name & Date Swaps

- When names are swapped, the swapped names are represented by &s and @s

MADELINE ⤬ BRYANT

BRYANT ⤬ MADELINE

➡️

@@@@@@ ⤬ &&&&&&&&

&&&&&&& ⤬ @@@@@@
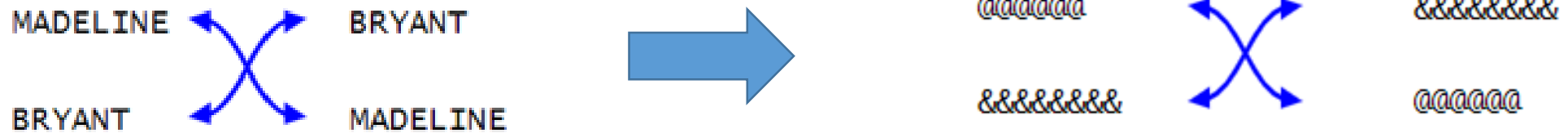
Original Data

Group	Reg No.	First name	Last name	DoB(M/D/Y)	Race
1	000000002767	BRIAN	TIPTON	09/09/1960	W
	000000001667	BRIANNA	TIPTON	09/09/1960	W
2	000000018540	SAL	BYRD	04/07/1960	W
	000000018540	SSLLY	BYRD	07/04/1960	W
3	000000006947	BRYANT	MADELINE	09/22/1926	W
	000000006947	MADELINE	BRYANT	09/22/1962	W
4	000000018335	PATSY	CALLAHAN	11/13/1948	B
	000000018335	PATSY	CALLAHAN		B
5	000000020502	SAMANTHA	MORGAN	03/03/1990	W
	000000020502	SAMANTHA	ALLISON	03/03/1990	B
6	2514103292	RODGERS	DYLAN	07/15/1924	W
	1719852520	ROGER	HYLEMON	07/15/1963	B

How it will be shown

Group	Reg No.	FFreq	First name	Last name	LFreq	DoB(M/D/Y)	Race
1	********27**	∞	***** ✚	✓	∞	✓	✓
	********16**	25	*****NA	✓	∞	✓	✓
2	✓	①	SAL (DIFF)	✓	∞	04/07/**** ✗	✓
	✓	①	SSLLY	✓	∞	07/04/****	✓
3	✓	①	@@@@@@	&&&&&&&&	①	**/**/**26 ⇄	✓
	✓	25	&&&&&&&&	@@@@@@	∞	**/**/**62	✓
4	✓	∞	✓	✓	•••	**/**/****	✓
	✓	∞	✓	✓	•••	?	✓
5	✓	∞	✓	MORGAN (DIFF)	∞	✓	@ (DIFF)
	✓	∞	✓	ALLISON	•••	✓	&
6	@@@@@@@@@@ (DIFF)	①	**D***S ✚ ✚	DYLAN (DIFF)	①	**/**/**24 ✗	@ (DIFF)
	&&&&&&&&&&	∞	*****	HYLEMON	∞	**/**/**63	&

Do you need to review?

- Take a moment to look through the two previous slides and understand how the data is getting mapped.

Now You Are Ready for the Real User Study