STATA Merge Command Examples:

Dataset 1 (in memory) Dataset2 (being merged on) Final Data, and the STATA command that creates it…

1. Below is a **"one to one"** merge: the same observations in both datasets get "matched"

`merge 1:1 PersonID using height_and_weight.dta`

demographics.dta

PersonID	Name	Age	Gender
1	Steve-o	23	Male
2	Xania	33	Female
3	Barney	99	Male
4	Zuleikha	28	Female
5	Xavier	44	Male
8	Eulily	75	Female

height_and_weight.dta

PersonID	height	weight
1	69"	208
2	62"	108
3	67"	155
4	69"	148
5	69"	158
6	60"	190

PersonID	Name	Age	Gender	height	weight	_merge
1	Steve-o	23	Male	69"	208	3
2	Xania	33	Female	62"	108	3
3	Barney	99	Male	67"	155	3
4	Zuleikha	28	Female	69"	148	3
5	Xavier	44	Male	69"	158	3
6	.	.		60"	190	2
8	Eulily	75	Female	.	.	1

2. Below is a **"many to one"** merge: multiple observations in the first dataset get "matched" to the second dataset.

`merge m:1 family using networth.dta`

person.dta

Family	Person	First	Last
1	1	Steve	King
2	1	Donald	Trump
2	2	Eric	Trump
2	3	Melania	Trump
3	1	Harper	Lewis
3	2	Scarlett	Lewis

networth.dta

Family	Net Worth	Assets
1	50 Million	Literary
2	2 Billion	Real Estate
3	12 Dollars	Toys
4	100,000	Real Estate

Family	Person	First	Last	Net Worth	Assets	_merge
1	1	Steve	King	50 Million	Literary	3
2	1	Donald	Trump	2 Billion	Real Estate	3
2	2	Eric	Trump	2 Billion	Real Estate	3
2	3	Melania	Trump	2 Billion	Real Estate	3
3	1	Harper	Lewis	12 Dollars	Toys	3
3	2	Scarlett	Lewis	12 Dollars	Toys	3
4	.	.	.	100,000	Real Estate	2

3. Can you guess what a **"one to many"** merge looks like?

`merge 1:m TaxID1 TaxID2 using branch.dta`

company.dta

TaxID1	TaxID2	Company
88-	16688398	Dunder Miflin
56-	12348585	Salt Hill Pub
23-	44589020	Ramunto's

branch.dta

TaxID1	TaxID2	Branch
88-	16688398	Scranton
88-	16688398	White Plains
56-	12348585	Hanover
56-	12348585	Lebanon
56-	12348585	Newberry
23-	44589020	Hanover
23-	44589020	Claremont

TaxID1	TaxID2	Company	Branch	_merge
88-	16688398	Dunder Miflin	Scranton	3
88-	16688398	Dunder Miflin	White Plains	3
56-	12348585	Salt Hill Pub	Hanover	3
56-	12348585	Salt Hill Pub	Lebanon	3
56-	12348585	Salt Hill Pub	Newberry	3
23-	44589020	Ramunto's	Hanover	3
23-	44589020	Ramunto's	Claremont	3