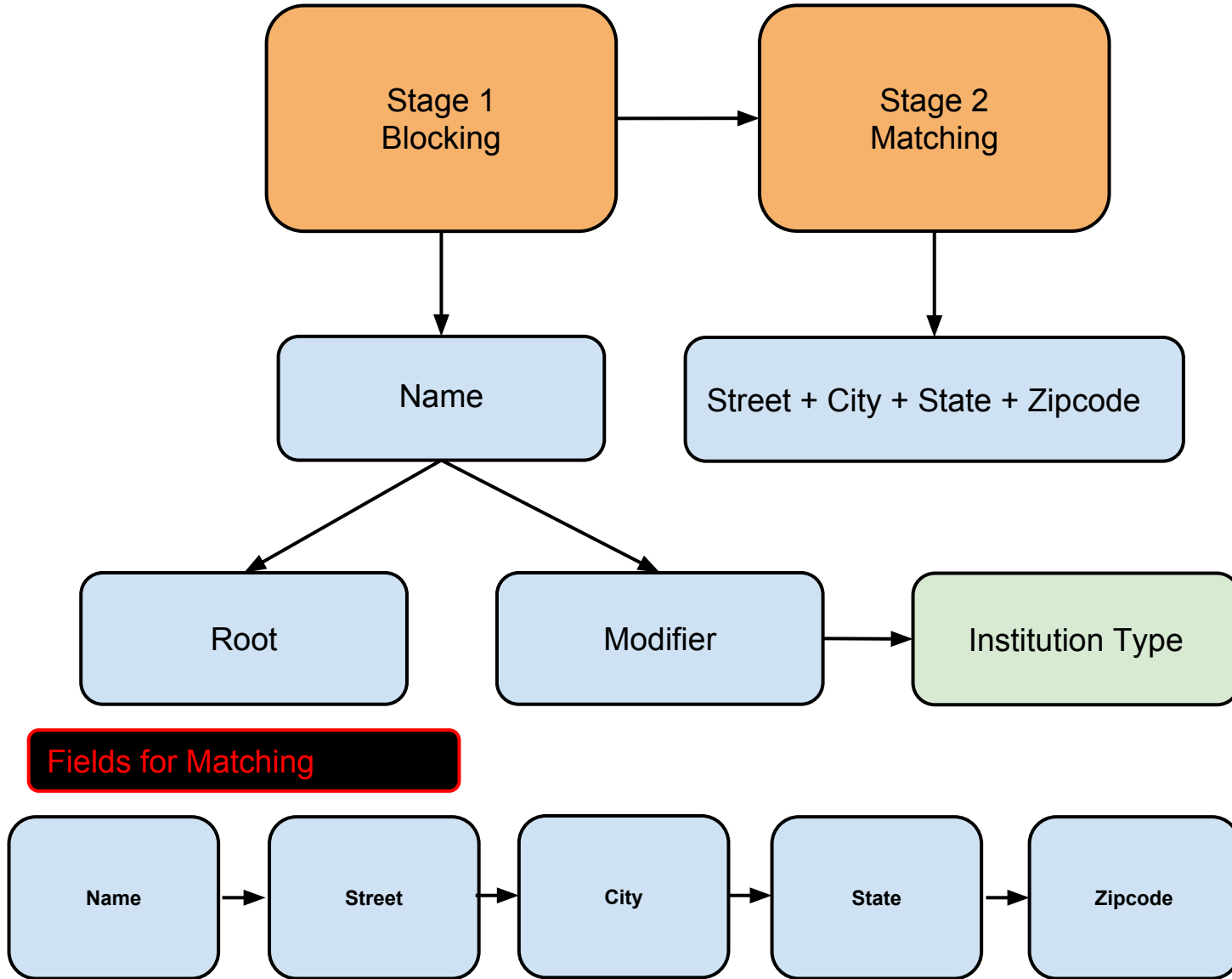


Matching Methods/Techniques

- ❖ Fields: Name (Root + Modifier), Street, City, State, Zipcode
- ❖ Stage 1 Blocking:
 - If the two roots have a high match, then use a lower threshold on the modifier match to include more matching records.
 - If the two roots have a low match, then use a higher threshold on the modifier match to exclude more matching records.
- ❖ Stage 2 Matching:
 - IT-Rank: using Institution Type
 - Address-Rank: using Street+City+State+Zipcode
- ❖ Tool: Duke (DUPLICATE KillER) 1.2
- ❖ True Positive (TP) and True Negative (TN) may be easy.
- ❖ False Positive (FP) and False Negative (FN) may require human judgement and additional sources/attributes.



Exemplar Matched Output

FFIEC_ID	LEI_ID	ROOT	MODIFIER	STREET	CITY	STATE	ZIP	
12311		huntington	national bank	17 south high street	columbus	oh	43215	
	2WHM8VNJF	the huntington	national bank	17 south high street	columbus	oh	43216	0.92
114840		first	state bank	3103 east main	russellville	ar	72802	
	549300JOYC	first	state bank	3103 east main street	russellville	ar	72802	0.99
30418		college	savings bank	5 vaugn drive	princeton	nj	8540	
	5493004QLW	college	savings bank	5 vaughn drive	princeton	nj	8540	0.99
17147		first merchants bank,	national association	200 east jackson street	muncie	in	47305	
	TZTBT00TG	first merchants	corporation	200 east jackson street	muncie	in	47305	0.8
28152		harvest bank		75 north main street	kimball	mn	55353	
	54930076NU	harvest bank		75 north main street	kimball	mn	55353	0.98
	COINQMNIM	arvest bank		75 north east street	fayetteville	ar	72701	0.65

FFIEC - LEI

FFIEC_ID	SEC_ID	ROOT	MODIFIER	STREET	CITY	STATE	ZIP	
39420		lorain	national bank	457 broadway	lorain	oh	44052	
	842581	lorain	national bank	457 broadway	lorain	oh	44052-1769	0.98
62110		rockefeller trust company,	national association	10 rockefeller plaza	new york	ny	10020	
	866998	rockefeller trust company,	national association	10 rockefeller plaza 3rd floor	new york	ny	10020	0.99
	315123	rockefeller & co., inc.		10 rockefeller plaza 3rd floor	new york	ny	10020	0.84
	1466052	evercore trust company,	national association	55 east 52nd street 23rd floor	new york	ny	10055	0.81
	1370965	deutsche bank trust company,	national association	280 park avenue floor 6 west	new york	ny	10017	0.78
266244		of waterloo	state bank	885 north illinois route 3	waterloo	il	62298	
	1487584	of waterloo	state bank	885 north illinois rte 3 p.o. box 1	waterloo	il	62298	0.99
619877		usaa	federal savings bank	10750 mcdermott fwy	san antonik	tx	78288	
	908392	usaa	federal savings bank	10750 mcdermott freeway	san antonik	tx	78288	0.99
139740		west bank		1601 22nd street	west des rr	ia	50266	
	1166928	west ban inc	corporation	1601 22nd st	west des rr	ia	50266	0.88
42420		first commonwealth bank		600 philadelphia st	indiana	pa	15701	
	1362556	first commonwealth bank		601 philadelphia street	indiana	pa	15701	0.98

FFIEC - SEC

True Positive, but slightly different

False Positive