

## DB Attributes

Table Name	Column Name	Data Type (csv)	Data Type (DB)	Metadata	Comments
WardChange	NewWardIDs	Numeric	TINYINT	14 distinct values, no missing data	
	OldWardIDs	Numeric	TINYINT	14 distinct values, has missing data	
NewWard	NewWardIDs	Numeric	TINYINT	14 distinct values, no missing data	
OfficeType	OfficeTypes	Text	VARCHAR(25)	4 distinct values, no missing data	
	OfficeTypeIDs	Numeric	TINYINT	4 distinct values, no missing data	10, 20 , 30, 40
CandidateName	CandidateNames	Text	VARCHAR(30)	131 distinct values, no missing data	Keep (-) (') in names
	CandidateIDs	Numeric	TINYINT	131 distinct values, no missing data	1-131
CandidateType	Incumbent	T/F	VARCHAR(1)	2 distinct values, no missing data	T/F
	Acclaimed	T/F	VARCHAR(1)	2 distinct values, no missing data	T/F
VotingStationName	VotingStationNames	Text	VARCHAR(52)	235 distinct values, no missing data	
	VotingStationIDs	Numeric	SMALLINT	234 distinct values, no missing data	101-1435
VotingStationType	VotingStationTypes	Text	VARCHAR(7)	2 distinct values, no missing data	Regular, Special
	VotingStationTypeIDs	Numeric	TINYINT	2 distinct values, no missing data	11, 22
VoterInformation	EnumeratedElectorsNumbers	Numeric	SMALLINT	181 distinct values, has missing data	
	VoterTurnouts	Decimal	FLOAT	50 distinct values, has missing data	Four values higher than 1!
VoteCount	VotingStationCandidateID	Numeric	INT	4968 distinct values, no missing data	Concatenate voting station ID and Candidate ID
	VoteCounts	Numeric	SMALLINT	872 distinct values including 0, has missing data	
PoliticalScale	PoliticalIDs	Numeric	TINYINT	Not populated	(1-3)
	PoliticalLevel	Text	VARCHAR(7)	Not populated	Left-Center-Right
CommunityInformation	CommunityNames	Text	VARCHAR(30)	197 distinct values, no missing data	
	CommunityIDs	Numeric	TINYINT	197 distinct values, no missing data	1-197
	CommunityPopulations	Numeric	SMALLINT	193 distinct values, has missing data	
Family	FamiliesWChildrenNumbers	Numeric	SMALLINT	165 distinct values, has missing data	
	FamiliesWChildrenPercents	Decimal	FLOAT	50 distinct values, has missing data	
	FamiliesWOChildrenNumbers	Numeric	SMALLINT	142 distinct values, has missing data	
	FamiliesWOChildrenPercents	Decimal	FLOAT	52 distinct values, has missing data	
HomeOwnership	HomeOwnersNumbers	Numeric	SMALLINT	177 distinct values including 0, has missing data	
	HomeOwnersPercents	Decimal	FLOAT	63 distinct values including 0, has missing data	
	RentersNumbers	Numeric	SMALLINT	142 distinct values including 0, has missing data	

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	RentersPercents	Decimal	FLOAT	63 distinct values including 0, has missing data	
AgeGroup	Age20_29Numbers	Numeric	SMALLINT	146 distinct values, has missing data	
	Age20_29Percents	Decimal	FLOAT	29 distinct values, has missing data	Has value higher than 1 (resolved)
	Age30_39Numbers	Numeric	SMALLINT	153 distinct values, has missing data	
	Age30_39Percents	Decimal	FLOAT	32 distinct values, has missing data	
	Age40_49Numbers	Numeric	SMALLINT	159 distinct values, has missing data	
	Age40_49Percents	Decimal	FLOAT	15 distinct values, has missing data	
	Age50_59Numbers	Numeric	SMALLINT	148 distinct values including 0, has missing data	
	Age50_59Percents	Decimal	FLOAT	22 distinct values including 0, has missing data	
	Age60_69Numbers	Numeric	SMALLINT	136 distinct values including 0, has missing data	
	Age60_69Percents	Decimal	FLOAT	21 distinct values including 0, has missing data	
	Age70_79Numbers	Numeric	SMALLINT	99 distinct values including 0, has missing data	
	Age70_79Percents	Decimal	FLOAT	14 distinct values including 0, has missing data	
	AgeMoreThan80Numbers	Numeric	SMALLINT	67 distinct values including 0, has missing data	
	AgeMoreThan80Percents	Decimal	FLOAT	13 distinct values including 0, has missing data	
Gender	FemaleNumbers	Numeric	SMALLINT	184 distinct values, has missing data	
	FemalePercents	Decimal	FLOAT	13 distinct values, has missing data	
	MaleNumbers	Numeric	SMALLINT	184 distinct values, has missing data	
	MalePercents	Decimal	FLOAT	15 distinct values, has missing data	
MedianIncome	IncomeLessThan59KNumbers	Numeric	SMALLINT	142 distinct values including 0, has missing data	
	IncomeLessThan59KPercents	Decimal	FLOAT	49 distinct values including 0, has missing data	
	Income60K_99999Numbers	Numeric	SMALLINT	133 distinct values including 0, has missing data	
	Income60K_99999Percents	Decimal	FLOAT	31 distinct values including 0, has missing data	

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	Income100K_149999Numbers	Numeric	SMALLINT	124 distinct values, has missing data	
	Income100K_149999Percents	Decimal	FLOAT	26 distinct values, has missing data	
	Income150K_199999Numbers	Numeric	SMALLINT	99 distinct values including 0, has missing data	
	Income150K_199999Percents	Decimal	FLOAT	23 distinct values including 0, has missing data	
	IncomeMoreThan200KNumbers	Numeric	SMALLINT	115 distinct values including 0, has missing data	
	IncomeMoreThan200KPercents	Decimal	FLOAT	53 distinct values including 0, has missing data	
Citizenship	CitizenNumbers	Numeric	SMALLINT	189 distinct values, has missing data	
	CitizenPercents	Decimal	FLOAT	32 distinct values, has missing data	
	NonCitizenNumbers	Numeric	SMALLINT	145 distinct values including 0, has missing data	
	NonCitizenPercents	Decimal	FLOAT	32 distinct values including 0, has missing data	