Missing Data: I

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35.0	NaN	33.6	0.627	50	1
1	1	85	66	29.0	NaN	26.6	0.351	31	0
2	8	183	64	NaN	NaN	23.3	0.672	32	1
3	1	89	66	23.0	94.0	28.1	0.167	21	0
4	0	137	40	35.0	168.0	43.1	2.288	33	1
763	10	101	76	48.0	180.0	32.9	0.171	63	0
764	2	122	70	27.0	NaN	36.8	0.340	27	0
765	5	121	72	23.0	112.0	26.2	0.245	30	0
766	1	126	60	NaN	NaN	30.1	0.349	47	1
767	1	93	70	31.0	NaN	30.4	0.315	23	0

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	вмі	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35	<na></na>	33.6	0.627	50	1
1	1	85	66	29	<na></na>	26.6	0.351	31	0
2	8	183	64	<na></na>	<na></na>	23.3	0.672	32	1
3	1	89	66	23	94	28.1	0.167	21	0
4	0	137	40	35	168	43.1	2.288	33	1
763	10	101	76	48	180	32.9	0.171	63	0
764	2	122	70	27	<na></na>	36.8	0.340	27	0
765	5	121	72	23	112	26.2	0.245	30	0
766	1	126	60	<na></na>	<na></na>	30.1	0.349	47	1
767	1	93	70	31	<na></na>	30.4	0.315	23	0

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35		33.6	0.627	50	1
1	1	85	66	29	<na></na>	26.6	0.351	31	0
2	8	183	64		NaN	23.3	0.672	32	1
3	1	89	66	23	94	28.1	0.167	21	0
4	0	137	40	35	168	43.1	2.288	33	1
763	10	101	76	48	180	32.9	0.171	63	0
764	2	122	70	27	<na></na>	36.8	0.340	27	0
765	5	121	72	23	112	26.2	0.245	30	0
766	1	126	60	N/A	<na></na>	30.1	0.349	47	1
767	1	93	70	31	<na></na>	30.4	0.315	23	0

Unify missing data markers

Count missing data

```
38] data.isnull().sum()
Pregnancies
Glucose
BloodPressure
                               35
SkinThickness
                              227
Insulin
BMI
                               11
DiabetesPedigreeFunction
                                0
                                0
Age
Outcome
                                0
dtype: int64
```

- isnull returns True when something does not have a value.
- notnull returns True when something does have a value.
- Can use these methods to select rows or to count as shown here.

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35	0	33.6	0.627	50	1
1	1	85	66	29	0	26.6	0.351	31	0
2	8	183	64	0	0	23.3	0.672	32	1
3	1	89	66	23	94	28.1	0.167	21	0
4	0	137	40	35	168	43.1	2.288	33	1
763	10	101	76	48	180	32.9	0.171	63	0
764	2	122	70	27	0	36.8	0.340	27	0
765	5	121	72	23	112	26.2	0.245	30	0
766	1	126	60	0	0	30.1	0.349	47	1
767	1	93	70	31	0	30.4	0.315	23	0

768 rows × 9 columns