

Original wide data set

Age_group	Rural.Male	Rural.Female	Urban.Male	Urban.Female
50-54	11.7	8.7	15.4	8.4
55-59	18.1	11.7	24.3	13.6
60-64	26.9	20.3	37.0	19.3
65-69	41.0	30.9	54.6	35.1
70-74	66.0	54.3	71.1	50.0

gather the names of the original columns

gather the data in the original columns

under new column

Geo_Sex

under new column

Death_rate

```
gather(Geo_Sex, Death_rate,
```

list the columns to be gathered

```
Rural.Male:Urban.Female)
```

data not gathered
gets repeated
down its column

Age_group	Geo_Sex	Death_rate
50-54	Rural.Male	11.7
55-59	Rural.Male	18.1
60-64	Rural.Male	26.9
65-69	Rural.Male	41.0
70-74	Rural.Male	66.0
50-54	Rural.Female	8.7
55-59	Rural.Female	11.7
60-64	Rural.Female	20.3
65-69	Rural.Female	30.9
70-74	Rural.Female	54.3
50-54	Urban.Male	15.4
55-59	Urban.Male	24.3
60-64	Urban.Male	37.0
65-69	Urban.Male	54.6
70-74	Urban.Male	71.1
50-54	Urban.Female	8.4
55-59	Urban.Female	13.6
60-64	Urban.Female	19.3
65-69	Urban.Female	35.1
70-74	Urban.Female	50.0

Long (tidy) form of the data set

Every column is a variable

Every row is an observation