

Figure 2 - Added Columns including Code

1. Population growth between 2008 and 2018 (%) - (F1)

```
df['popgrowth'] = (df['2018_pop_total'] - df['2008_pop_total']) / df['2008_pop_total']
```

2. Difference in '*Condition X*' rate per 100,000 people between 2008 and 2018 - (F2)

```
df['difference'] = df['2018_rate_per_100000'] - df['2008_rate_per_100000']
```

3. 2008 local authority spend per 100,00 people (£) - (F3)

```
df['2008_spend_per_100000'] = (df['total_budget'] / df['2008_pop_total'] * 100000)
```