







**Excels, xlsx)**

CSV(separated values)

~~TSV (Separated values)~~



배유론, Bae Yeowoon, Researcher



배여운 → Bae Yeowoon → Researcher

이름

영문이름

직책

배여운

Bae Yeowoon

Researcher



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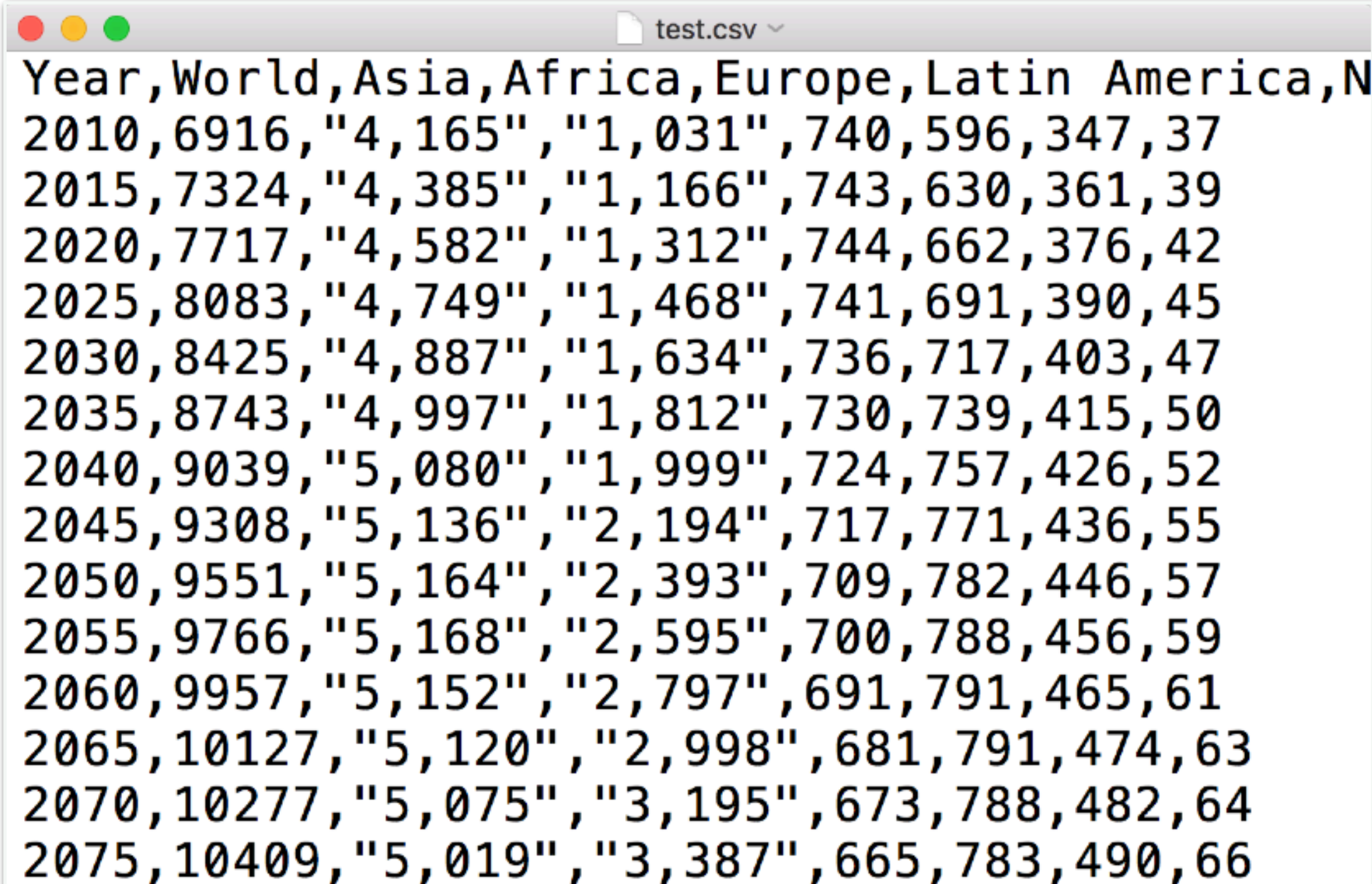
4



Year	World	Asia	Africa	Europe	Latin America	N
2010	6916	"4,165"	"1,031"	740	596	347,37
2015	7324	"4,385"	"1,166"	743	630	361,39
2020	7717	"4,582"	"1,312"	744	662	376,42
2025	8083	"4,749"	"1,468"	741	691	390,45
2030	8425	"4,887"	"1,634"	736	717	403,47
2035	8743	"4,997"	"1,812"	730	739	415,50
2040	9039	"5,080"	"1,999"	724	757	426,52
2045	9308	"5,136"	"2,194"	717	771	436,55
2050	9551	"5,164"	"2,393"	709	782	446,57
2055	9766	"5,168"	"2,595"	700	788	456,59
2060	9957	"5,152"	"2,797"	691	791	465,61
2065	10127	"5,120"	"2,998"	681	791	474,63
2070	10277	"5,075"	"3,195"	673	788	482,64
2075	10409	"5,019"	"3,387"	665	783	490,66

# 데이터 타입

데이터에는 어떤 타입이 있을까?



The image shows a screenshot of a text editor window titled 'test.csv'. The window contains a CSV file with 13 rows of data. The first row is the header, and the subsequent rows represent data for different years. Each row contains seven columns of data, with some values enclosed in quotes to indicate they are strings.

Year	World	Asia	Africa	Europe	Latin America	N
2010	6916	"4,165"	"1,031"	740	596	347,37
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# 데이터 타입

데이터에는 어떤 타입이 있을까?

## JSON (JavaScript Object Notation)

```
{  
  "내정보" : {  
    "이름" : "배여운",  
    "영문이름" : "Bae Neowoon",  
    "직책" : "Researcher"  
  }  
}
```

## API (Application Programming Interface)

특정 서비스에서 제공하는 일종의 규약(문법)  
일정 수준의 정제된 데이터가 많음  
가장 이상적인 데이터 형태