

### **Trend test function**

Usage: trend.test (year,state,crime)

Description: Hypothesis testing function for testing the possible trend of crime rate in certain state and time period

Arguments:

- Year: The time period of interest. A vector including the time period should be provided.
- State: The state of interest. A vector including multiple states can be provided
- Crime: the crime type of interest. A vector including multiple crime types can be provided.

Example:

```
trend.test(year=1999:2005,state=c("ALABAMA","FLORIDA"),crime=c("ViolentCrime",  
"PropertyCrime"))
```

### **Population match function**

Usage: popmatch2019(state)

Description: Search function for finding out the states which have close population to the target state.

Arguments:

- State: The state of interest

Example:

```
popmatch2019("Connecticut")
```