

Evidencias de ejecución:

- 1. Resultado regiones, funciones pandas maximo minimo promedio tiempo total,

```
{', 'Americas', 'Polar', 'Africa', 'Asia', 'Oceania', 'Europe'}
TiempoTotal:3.584621 TiempoPromedio:0.5974368333333333 TiempoMinimo:0.238549 TiempoMaximo:1.226004
/usr/local/lib/python3.7/dist-packages/pandas/core/generic.py:2615: UserWarning: The spaces in these column names will not be changed
method=method,
```

```
pd.read_json('archivo.json')
```

	index	City Name	Lenguaje	Region	Time
0	0	Anguilla	649df08a448ee3fa90f3746baaf6b0907df42c91	Americas	0.322035
1	1	Antarctica	649df08a448ee3fa90f3746baaf6b0907df42c91	Polar	0.329612
2	2	Algeria	af4f4762f9bd3f0f4a10caf5b6e63dc4ce543724	Africa	0.645012
3	3	Afghanistan	cc50b3253c9ec78d83c0178cbd9aff6a66d8ced8	Asia	0.530654
4	4	American Samoa	649df08a448ee3fa90f3746baaf6b0907df42c91	Oceania	0.327619
5	5	Åland Islands	04a422d38c95415cece1ac86e1ad2a1030048c03	Europe	0.344618

Test Unitarios

```
if __name__ == "__main__":
    import doctest
    doctest.testmod(verbose=True)
```

Trying:

regiones= {'', 'Polar', 'Africa', 'Europe', 'Asia', 'Americas', 'Oceania'}

Expecting nothing

ok

Trying:

datos=creaDataFrame(regiones)

Expecting nothing

ok

Trying:

Ciudades=len(datos['City Name'].to\_list())==6

Expecting nothing





```

ok
Trying:
    print('Hay 6 ciudades', Ciudades)
Expecting:
    Hay 6 ciudades True
ok
Trying:
    regiones = extraeRegiones()
Expecting nothing
ok
Trying:
    respuesta= {'', 'Polar', 'Africa', 'Europe', 'Asia', 'Americas', 'Oceania'}
Expecting nothing
ok
Trying:
    [ True for x in regiones if x in respuesta ]
Expecting:
    [True, True, True, True, True, True, True]
ok
Trying:
    d = {'Time': [4, 5, 6]}
Expecting nothing
ok
Trying:
    df = pd.DataFrame(data=d)
Expecting nothing
ok
Trying:
    funcionesPandas(df)
Expecting:
    'TiempoTotal:15 TiempoPromedio:5.0 TiempoMinimo:4 TiempoMaximo:6'
ok
Trying:
    v1,v2,v3,v4,v5 = regionPaisIdioma('Americas')
Expecting nothing
ok
Trying:
    print(len(v2)>1)
Expecting:
    True
ok
3 items had no tests:
    __main__
    __main__.imprime
    __main__.resultadoSqlLite
4 items passed all tests:
    4 tests in __main__.creaDataFrame


```

## Archivos Generados

> PruebasPy > ProyectoPythonChallenge

	Nombre	Fecha de modificación
	logs	28-02-2021 19:35
	archivo.json ✓	28-02-2021 20:21
	base.db ✓	28-02-2021 20:21
	pythonchallenge.py	28-02-2021 20:20

PruebasPy > ProyectoPythonChallenge > logs

Nombre	Fecha de
 20210228193529385072.log	28-02-2021

Archivo de Log.

20210228193529385072.log: Bloc de notas

Archivo Edición Formato Ver Ayuda

```
2021-02-28 19:35:29,385 : DEBUG : Inicio 2021-02-28 19:35:29:385072
2021-02-28 19:35:29,400 : DEBUG : Starting new HTTPS connection (1): restcountries-v1.p.rapidapi.com:443
2021-02-28 19:35:30,250 : DEBUG : https://restcountries-v1.p.rapidapi.com:443 "GET /all HTTP/1.1" 200 35811
2021-02-28 19:35:30,256 : DEBUG : Se encontraron las siguientes regiones: {'', 'Polar', 'Europe', 'Africa', 'Asia', 'Oceania', 'Americas'}
2021-02-28 19:35:30,256 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:31,137 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Polar HTTP/1.1" 200 None
2021-02-28 19:35:31,158 : DEBUG : region: Polar,pais:Antarctica,idioma:English,SHA1:649df08a448ee3fa90f3746baaf6b0907df42c91,tiempo0.902046
2021-02-28 19:35:31,161 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:31,692 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Europe HTTP/1.1" 200 None
2021-02-28 19:35:31,823 : DEBUG : region: Europe,pais:Åland Islands,idioma:Swedish,SHA1:04a422d38c95415cece1ac86e1ad2a1030048c03,tiempo0.662641
2021-02-28 19:35:31,838 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:32,362 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Africa HTTP/1.1" 200 None
2021-02-28 19:35:32,509 : DEBUG : region: Africa,pais:Algeria,idioma:Arabic,SHA1:af4f4762f9bd3f0f4a10caf5b6e63dc4ce543724,tiempo0.67104
2021-02-28 19:35:32,509 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:33,064 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Asia HTTP/1.1" 200 None
2021-02-28 19:35:33,227 : DEBUG : region: Asia,pais:Afghanistan,idioma:Pashto,SHA1:cc50b3253c9ec78d83c0178cbd9aff6a66d8ced8,tiempo0.717417
2021-02-28 19:35:33,242 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:33,643 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Oceania HTTP/1.1" 200 None
2021-02-28 19:35:33,666 : DEBUG : region: Oceania,pais:American Samoa,idioma:English,SHA1:649df08a448ee3fa90f3746baaf6b0907df42c91,tiempo0.423107
2021-02-28 19:35:33,666 : DEBUG : Starting new HTTPS connection (1): restcountries.eu:443
2021-02-28 19:35:34,229 : DEBUG : https://restcountries.eu:443 "GET /rest/v2/region/Americas HTTP/1.1" 200 None
2021-02-28 19:35:34,367 : DEBUG : region: Americas,pais:Anguilla,idioma:English,SHA1:649df08a448ee3fa90f3746baaf6b0907df42c91,tiempo0.701352
2021-02-28 19:35:34,445 : DEBUG : Tabla Pandas:
      City Name      Lenguaje      Region      Time
0  Antarctica  649df08a448ee3fa90f3746baaf6b0907df42c91  Polar  0.902046
1  Åland Islands  04a422d38c95415cece1ac86e1ad2a1030048c03  Europe  0.662641
2    Algeria  af4f4762f9bd3f0f4a10caf5b6e63dc4ce543724  Africa  0.671040
3  Afghanistan  cc50b3253c9ec78d83c0178cbd9aff6a66d8ced8  Asia  0.717417
4  American Samoa  649df08a448ee3fa90f3746baaf6b0907df42c91  Oceania  0.423107
5    Anguilla  649df08a448ee3fa90f3746baaf6b0907df42c91  Americas  0.701352
2021-02-28 19:35:34,667 : DEBUG : crea Json: archivo.json
```