Tech Talents
sólo es el principio

Data Representation

JSON and the alternatives

JSON The good

- Data is represented exactly as it is in our code,
  ie. Lists and Dictionaries

- Can be converted to and from a string without any loss of degradation of data.

JSON The bad

- Very verbose. Not particularly efficient.

- Does not scale to “Big Data”.

Our imaginary shop

```
# Name
# Number of times visited shop
# Number of items bought
# Total amount of money spent

# Alice, 24, 12, 300
# Bob, 10, 10, 650
```

```
import json
converted = json.dumps(data)
print(21 / len(converted)) # 0.152 = 15.2%
```

```
[
    {
        "name": "Alice",
        "visited": 24,
        "items_bought": 12,
        "spent": 300.0
    },
    {
        "name": "Bob",
        "visited": 10,
        "items_bought": 10,
        "spent": 650.0
    }
]
```

	A	B	C	D
1	name	visited	items_bought	spent
2	Alice	24	12	300.00
3	Bob	10	10	650.00
4				
5				
6				