Data Exchange Formats

Data Manipulation in Python

Data Exchange Formats

- XML
- ▶ JSON

XML Format

people.xml:

```
<?xml version="1.0"?>
<people>
 <person>
   <firstName>Alan</firstName>
   <lastName>Turing</lastName>
   corofessions>
     cprofession>Computer Scientist/profession>
     cprofession>Mathematician/profession>
     cprofession>Computer Scientist/profession>
     cprofession>Cryptographer
   </professions>
 </person>
 <person>
   <firstName>Stephen</firstName>
   <lastName>Hawking
   corofessions>
     cprofession>Physicistfession>
     cprofession>Comedian/profession>
   </professions>
 </person>
</people>
```

Processing XML

- ► Python's built-in ElementTree API
- xmltodict "makes working with XML feel like you are working with JSON"

JSON Format

Just like Python data structures but you have to use double quotes for strings.

Processing JSON

► Python's built-in JSON encoder and decoder