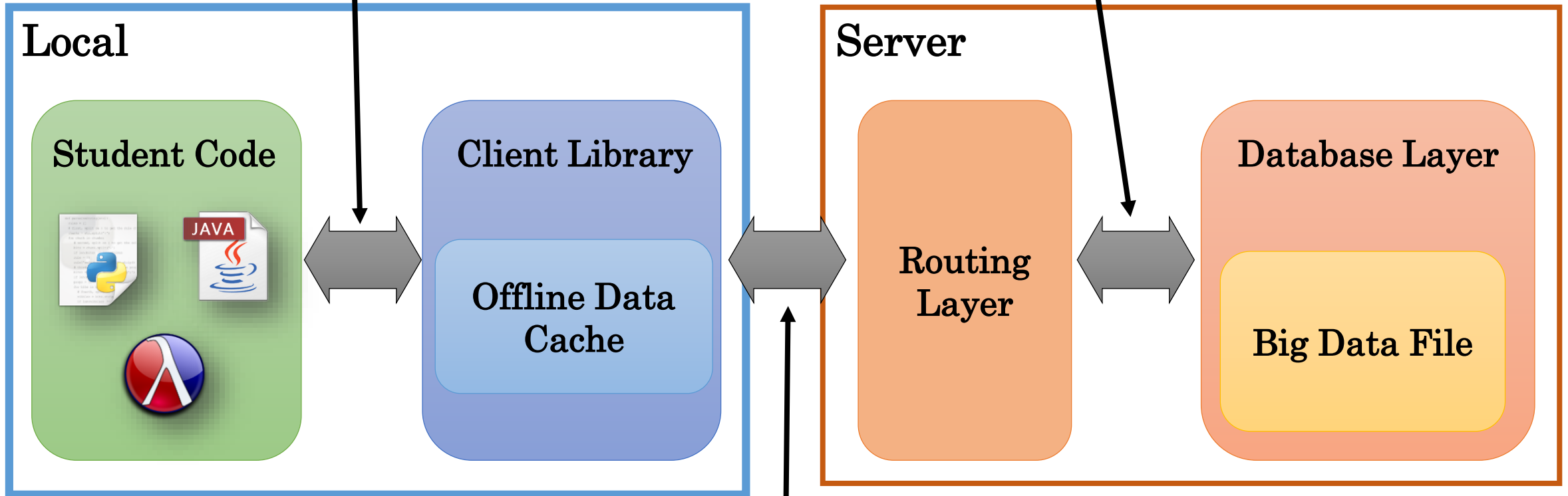


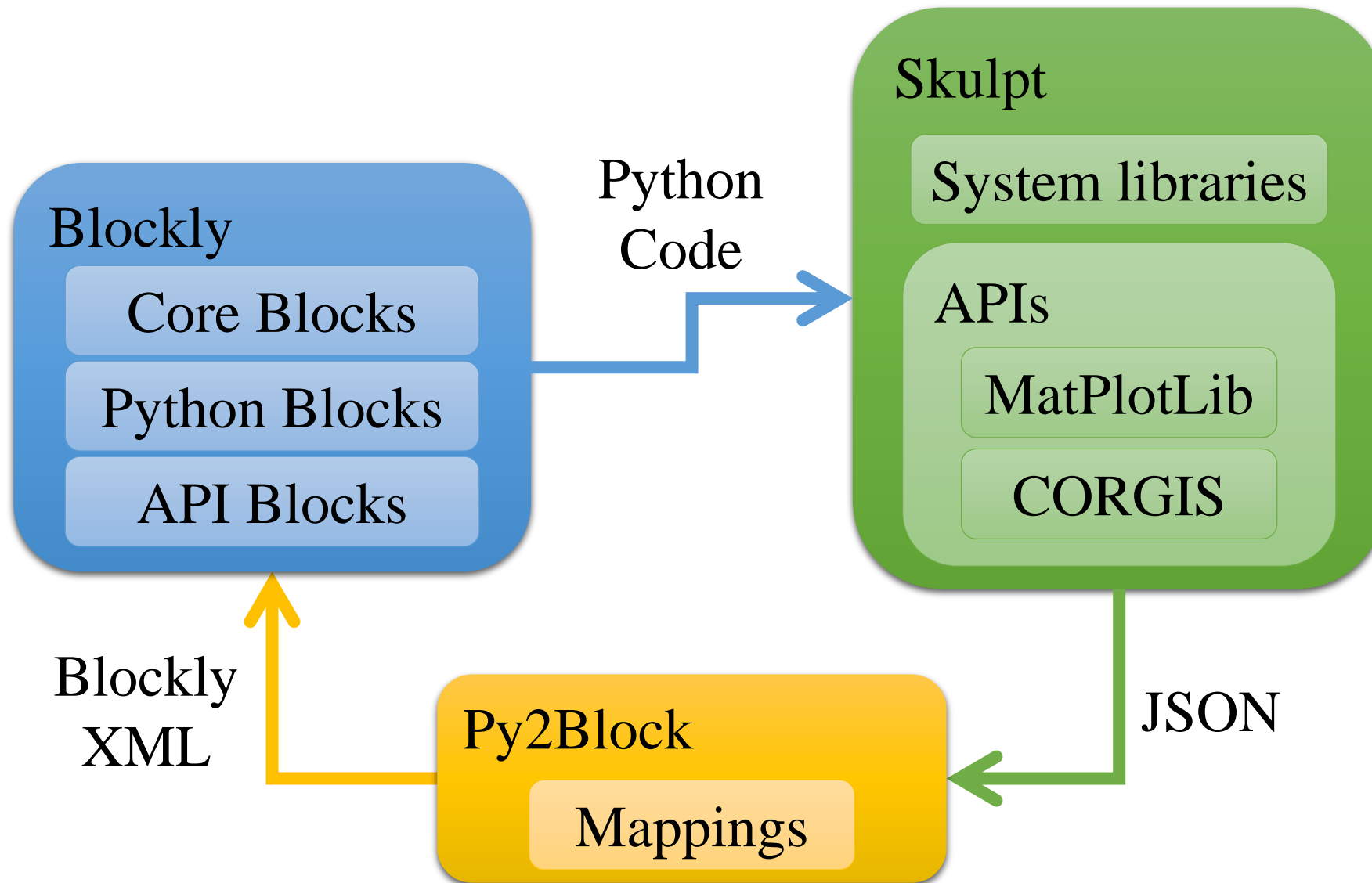
Send:
`get_crimes(20, "USA")`
Receive:
List of Crime records

Send:
Rows 0-20, Columns "id", "year", "burglaries", etc.
Receive:
Programmatic Data Objects



Send:
`http://think.cs.vt.edu/crime?limit=20&location=USA`
Receive:
`[{"id": 1, "year": 2013, "burglaries": 217, ...}, ...]`

```
<?xml version="1.0"?>
<xml xmlns="http://www.w3.org/1999/xhtml">
<block type="controls_forEach" id="38" inline="false" x="-58" y="37">
  <field name="VAR">quake</field>
  <value name="LIST">
    <block type="earthquake_get" id="57">
      <field name="PROPERTY">magnitude</field>
    </block>
  </value>
<statement name="DO">
  <block type="text_print" id="82" inline="false">
    <value name="TEXT">
      <block type="variables_get" id="83">
        <field name="VAR">quake</field>
      </block>
    </value>
  </block>
</statement>
</block>
</xml>
```



Context

CS-0 ... CS-1 ... CS-2 ... CS-3 ... Big Data Course

- Primarily Motivational
- “Frame Story”
- Example: *Use a simple for loop to iterate over a list of 20 weather reports and find the average temperature.*

Content

- Primarily Cognitive
- Assessed Information
- Example: *You have 20 gigabytes of weather reports, how can you find the average temperature efficiently?*