

# Bopytex with Mapytex example – 1

August 6, 2022

- 8 - 7  
- 15

## 1 Variables

### 1.1 subject

- number: 1
- Name: Spike Tucker
- Age: 22
- Email: s.tucker@randatmail.com
- fraction level: 7
- calculus level: 3

### 1.2 options

- texenv: <jinja2.environment.Environment object at 0x7f9cc9e6b1d0>
- planner: <function planner at 0x7f9cc98accc0>
- Dispatcher: <class 'bopytex.worker.Dispatcher'>
- activate\_corr: <function activate\_corr at 0x7f9cc98acfe0>
- clean: <function clean at 0x7f9cc98ad080>

- pdflatex: <function curstomtex.<locals>.func at 0x7f9cc98ade40>
- generate: <function generate at 0x7f9cc98ae160>
- pdfjam: <function pdfjam at 0x7f9cc98adee0>
- jinja2: {'environment': <jinja2.environment.Environment object at 0x7f9cc98adee0>}
- dispatcher: <bopytex.worker.Dispatcher object at 0x7f9cc9e6b0d0>
- latex: {'solution': 'solution/print = true', 'no\_solution': 'solution/print = false'}
- Expression: <class 'mapytex.calculus.API.expression.Expression'>
- random: <module 'random' from '/usr/local/lib/python3.11/random.py'>
- direct\_access: {'Expression': <class 'mapytex.calculus.API.expression.Expression'>}
- students\_csv: students.csv
- template: tpl\_example.tex
- working\_dir: .
- no\_compile: False
- dirty: False
- quantity\_subjects: 1
- no\_join: False
- only\_corr: False
- corr: False
- configfile: bopyptex\_config.py
- subjects: [{'number': '1', 'Name': 'Spike Tucker', 'Age': '22', 'Email': 'stucker@cs.cmu.edu'}]

# Bopytex with Mapytex example – 2

August 6, 2022

2 + 9  
11

## 1 Variables

### 1.1 subject

- number: 2
- Name: Martin Payne
- Age: 21
- Email: m.payne@randatmail.com
- fraction level: 7
- calculus level: 3

### 1.2 options

- texenv: <jinja2.environment.Environment object at 0x7f9cc9e6b1d0>
- planner: <function planner at 0x7f9cc98accc0>
- Dispatcher: <class 'bopytex.worker.Dispatcher'>
- activate\_corr: <function activate\_corr at 0x7f9cc98acfe0>
- clean: <function clean at 0x7f9cc98ad080>

- pdflatex: <function curstomtex.<locals>.func at 0x7f9cc98ade40>
- generate: <function generate at 0x7f9cc98ae160>
- pdfjam: <function pdfjam at 0x7f9cc98adee0>
- jinja2: {'environment': <jinja2.environment.Environment object at 0x7f9cc98adee0>}
- dispatcher: <bopytex.worker.Dispatcher object at 0x7f9cc9e6b0d0>
- latex: {'solution': 'solution/print = true', 'no\_solution': 'solution/print = false'}
- Expression: <class 'mapytex.calculus.API.expression.Expression'>
- random: <module 'random' from '/usr/local/lib/python3.11/random.py'>
- direct\_access: {'Expression': <class 'mapytex.calculus.API.expression.Expression'>}
- students\_csv: students.csv
- template: tpl\_example.tex
- working\_dir: .
- no\_compile: False
- dirty: False
- quantity\_subjects: 1
- no\_join: False
- only\_corr: False
- corr: False
- configfile: bopyptex\_config.py
- subjects: [{'number': '1', 'Name': 'Spike Tucker', 'Age': '22', 'Email': 'stucker@cs.cmu.edu'}]

# Bopytex with Mapytex example – 3

August 6, 2022

- 4 - 5  
- 9

## 1 Variables

### 1.1 subject

- number: 3
- Name: Kimberly Baker
- Age: 20
- Email: k.baker@randatmail.com
- fraction level: 1
- calculus level: 8

### 1.2 options

- texenv: <jinja2.environment.Environment object at 0x7f9cc9e6b1d0>
- planner: <function planner at 0x7f9cc98accc0>
- Dispatcher: <class 'bopytex.worker.Dispatcher'>
- activate\_corr: <function activate\_corr at 0x7f9cc98acfe0>
- clean: <function clean at 0x7f9cc98ad080>

- pdflatex: <function curstomtex.<locals>.func at 0x7f9cc98ade40>
- generate: <function generate at 0x7f9cc98ae160>
- pdfjam: <function pdfjam at 0x7f9cc98adee0>
- jinja2: {'environment': <jinja2.environment.Environment object at 0x7f9cc98adee0>}
- dispatcher: <bopytex.worker.Dispatcher object at 0x7f9cc9e6b0d0>
- latex: {'solution': 'solution/print = true', 'no\_solution': 'solution/print = false'}
- Expression: <class 'mapytex.calculus.API.expression.Expression'>
- random: <module 'random' from '/usr/local/lib/python3.11/random.py'>
- direct\_access: {'Expression': <class 'mapytex.calculus.API.expression.Expression'>}
- students\_csv: students.csv
- template: tpl\_example.tex
- working\_dir: .
- no\_compile: False
- dirty: False
- quantity\_subjects: 1
- no\_join: False
- only\_corr: False
- corr: False
- configfile: bopyptex\_config.py
- subjects: [{'number': '1', 'Name': 'Spike Tucker', 'Age': '22', 'Email': 'spike.tucker@university.edu'}]

# Bopytex with Mapytex example – 4

August 6, 2022

$$\frac{-8 + 10}{2}$$

## 1 Variables

### 1.1 subject

- number: 4
- Name: Emma Bailey
- Age: 29
- Email: e.bailey@randatmail.com
- fraction level: 2
- calculus level: 5

### 1.2 options

- texenv: <jinja2.environment.Environment object at 0x7f9cc9e6b1d0>
- planner: <function planner at 0x7f9cc98accc0>
- Dispatcher: <class 'bopytex.worker.Dispatcher'>
- activate\_corr: <function activate\_corr at 0x7f9cc98acfe0>
- clean: <function clean at 0x7f9cc98ad080>

- pdflatex: <function curstomtex.<locals>.func at 0x7f9cc98ade40>
- generate: <function generate at 0x7f9cc98ae160>
- pdfjam: <function pdfjam at 0x7f9cc98adee0>
- jinja2: {'environment': <jinja2.environment.Environment object at 0x7f9cc98adee0>}
- dispatcher: <bopytex.worker.Dispatcher object at 0x7f9cc9e6b0d0>
- latex: {'solution': 'solution/print = true', 'no\_solution': 'solution/print = false'}
- Expression: <class 'mapytex.calculus.API.expression.Expression'>
- random: <module 'random' from '/usr/local/lib/python3.11/random.py'>
- direct\_access: {'Expression': <class 'mapytex.calculus.API.expression.Expression'>}
- students\_csv: students.csv
- template: tpl\_example.tex
- working\_dir: .
- no\_compile: False
- dirty: False
- quantity\_subjects: 1
- no\_join: False
- only\_corr: False
- corr: False
- configfile: bopyptex\_config.py
- subjects: [{'number': '1', 'Name': 'Spike Tucker', 'Age': '22', 'Email': 'stucker@cs.cmu.edu'}]

# Bopytex with Mapytex example – 5

August 6, 2022

- 5 - 9  
- 14

## 1 Variables

### 1.1 subject

- number: 5
- Name: Nicholas Taylor
- Age: 28
- Email: n.taylor@randatmail.com
- fraction level: 3
- calculus level: 3

### 1.2 options

- texenv: <jinja2.environment.Environment object at 0x7f9cc9e6b1d0>
- planner: <function planner at 0x7f9cc98accc0>
- Dispatcher: <class 'bopytex.worker.Dispatcher'>
- activate\_corr: <function activate\_corr at 0x7f9cc98acfe0>
- clean: <function clean at 0x7f9cc98ad080>

- pdflatex: <function curstomtex.<locals>.func at 0x7f9cc98ade40>
- generate: <function generate at 0x7f9cc98ae160>
- pdfjam: <function pdfjam at 0x7f9cc98adee0>
- jinja2: {'environment': <jinja2.environment.Environment object at 0x7f9cc98adee0>}
- dispatcher: <bopytex.worker.Dispatcher object at 0x7f9cc9e6b0d0>
- latex: {'solution': 'solution/print = true', 'no\_solution': 'solution/print = false'}
- Expression: <class 'mapytex.calculus.API.expression.Expression'>
- random: <module 'random' from '/usr/local/lib/python3.11/random.py'>
- direct\_access: {'Expression': <class 'mapytex.calculus.API.expression.Expression'>}
- students\_csv: students.csv
- template: tpl\_example.tex
- working\_dir: .
- no\_compile: False
- dirty: False
- quantity\_subjects: 1
- no\_join: False
- only\_corr: False
- corr: False
- configfile: bopyptex\_config.py
- subjects: [{'number': '1', 'Name': 'Spike Tucker', 'Age': '22', 'Email': 'stucker@cs.cmu.edu'}]