

Reproducibility and collaborative coding

(in a nutshell)

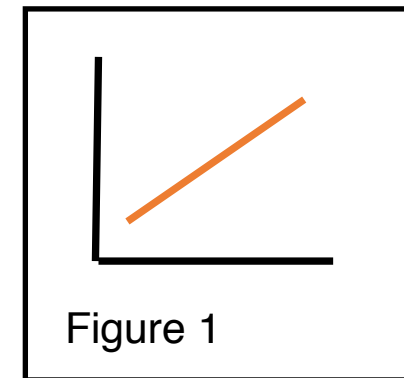
Raw data

```
1010101  
0100101  
0101010  
1001010  
1010101
```

Code

```
y = ln(x)  
plot(x, y)  
save()
```

Result



Reproducibility? Why care?

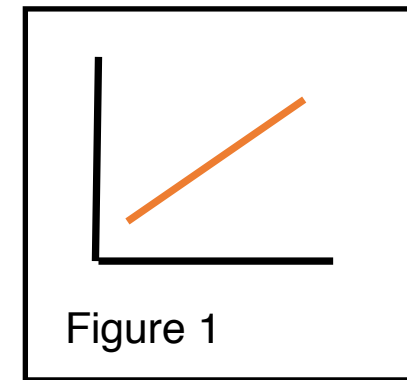
Raw data

```
1010101  
0100101  
0101010  
1001010  
1010101
```

Code

```
y = ln(x)  
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Result



You...

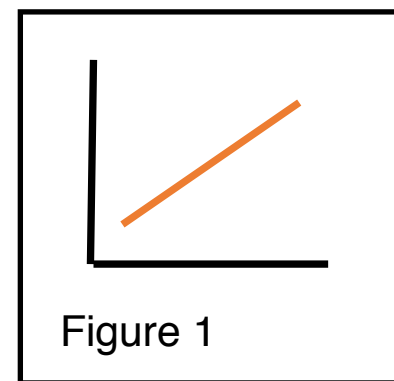
Raw data

```
1010101  
0100101  
0101010  
1001010  
1010101
```

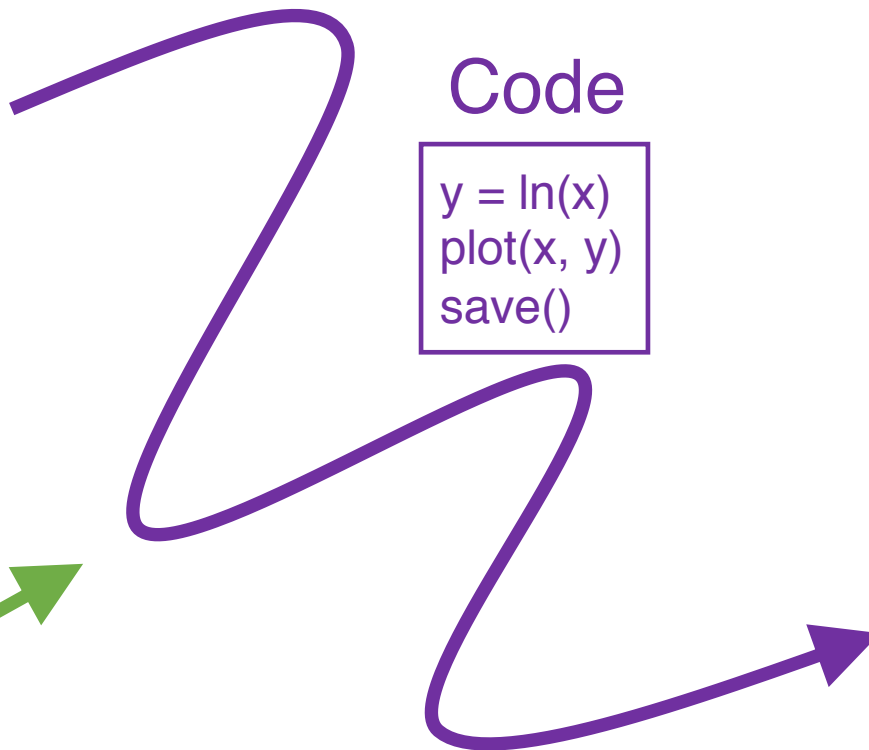
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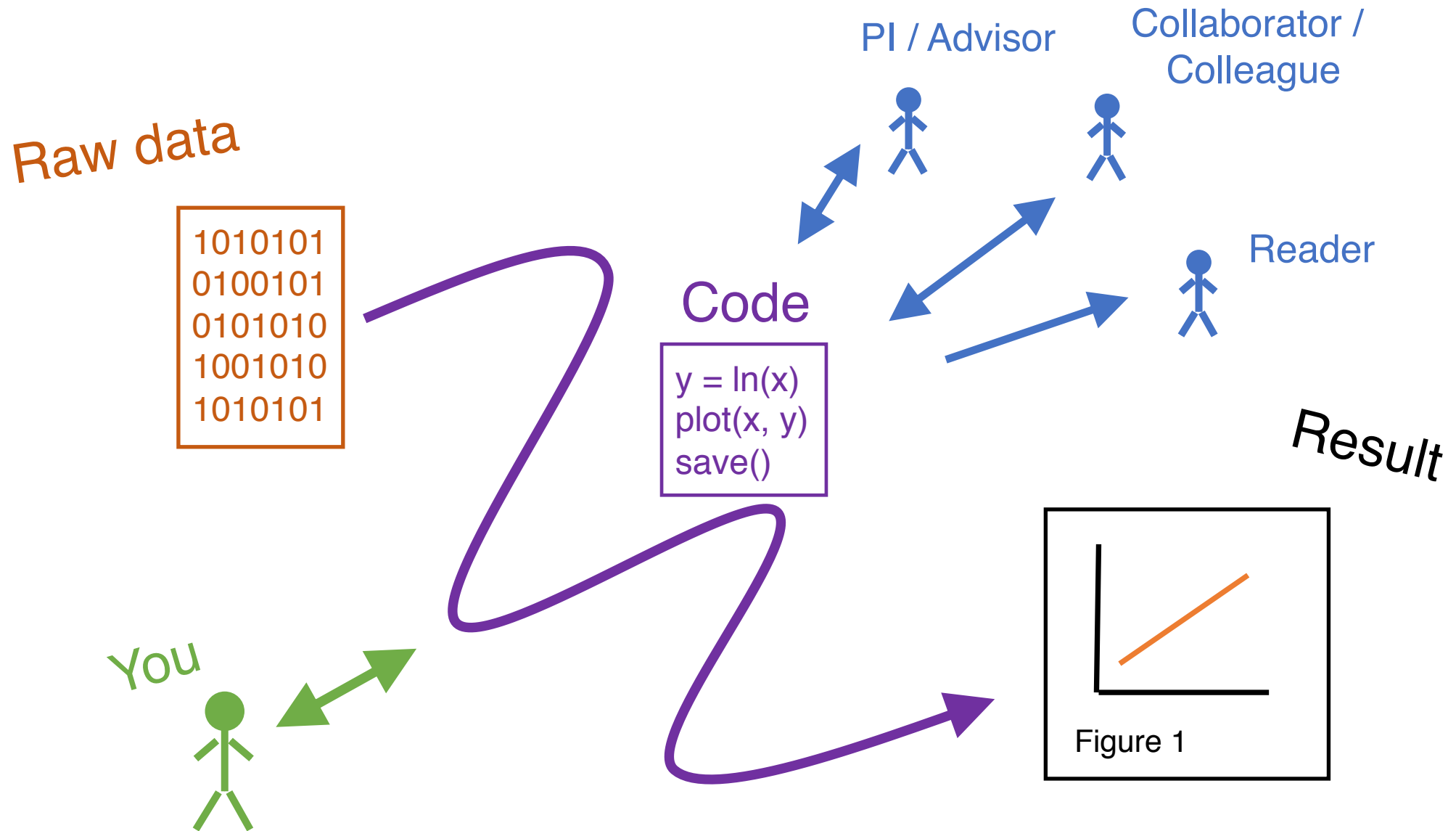
Result



You



You... and others!



Code

```
y = ln(x)  
plot(x, y)  
save()
```



Logbook

2020-01-01: 12:20

Change 1
Change 2
Change 3

2020-01-01: 14:40

Change 4

2020-01-01: 17:00

Change 5
Change 6



Server



Version Control



Code

```
y = ln(x)  
plot(x, y)  
save()
```



Logbook

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2020-01-01: 12:20  
Change 1  
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Server



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Server



GitHub



GitLab

Sharing Platform

<https://github.com/jakobjassmann/au-code-repro>