

# What causes successful learning in Bayesian methods?

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Presentation is available here: [tinyurl.com/yyj72dta](https://tinyurl.com/yyj72dta)



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Unfortunately, those stereotypes are everywhere!

How to explain linguistics to your friends and family this holiday season

## My courses

who?

bachelor 3 y.

what?

intro to R and stats<sup>1</sup>

background

math, Python

how long?

¼ ed. y.

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bachelor 3 y.	advanced stats	math, Python, R	1/4 ed. y.
master 1 y.	intro to R and stats	(math, Python)	1/2 ed. y.

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bachelor 3 y.	advanced stats	math, Python, R	¼ ed. y.
master 1 y.	intro to R and stats	(math, Python)	½ ed. y.
re-qualification	intro to R and stats	(Python)	¼ ed. y.

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master 1 y.	intro to R and stats	(math, Python)	½ ed. y.
re-qualification	intro to R and stats	(Python)	¼ ed. y.
data analysis school	different topics	R, ...	1 weeks

<sup>1</sup> This became [an online course!](#)

## But which of them include Bayesian methods?

who?	what?	background	how long?
bachelor 3 y.	intro to R and stats	math, Python	0 classes
bachelor 3 y.	advanced stats	math, Python, R	8 classes
master 1 y.	intro to R and stats	(math, Python)	2 classes
re-qualification	intro to R and stats	(Python)	4 classes
data analysis school	different topics	R, ...	9 classes

One class is 90 minutes



## Topics covered by course

(classes)	b. 3 y. (8)	m. 1 y. (2)	re-qual. (6)	DA school (9)
Bayesian inference	+	+	+	+
Binomial data	+	+	+	+
Credible interval	+	+	+	+
Bayes factor	+	-	+	+
Emp. Bayes Est.	+	-	+	+
Normal data	+	-	-	+
STAN	-	-	-	+

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- Bayesian statistics is the only topic for the whole course
- Students' motivation
- Lack of experience in frequentist statistics?

I don't know...

Is it possible to answer with experiment?



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- Programs are not so flexible
- Academic Supervisors are not always open to innovations
- It is important to understand works written within frequentist statistics
- ...



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- Programs are not so flexible
- Academic Supervisors are not always open to innovations
- It is important to understand works written within frequentist statistics
- ...
- It is unethical!

Send me a letter!  
[agricolamz@gmail.com](mailto:agricolamz@gmail.com)

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