



València, September 14 2021

VIBASS is the acronym for the València Summer School on Bayesian Statistics that takes place every summer in València (Spain) during the month of July. VIBASS offers an opportunity to be introduced into the Bayesian reasoning without previous knowledge in the subject. It is organised by the research group VABAR (vabar.es) and supported by the Universitat de València (Spain), Universidad de Castilla-La Mancha (Spain), Biomathematics and Statistics Scotland (BioSS, Scotland), and Le Centre de coopération internationale en recherche agronomique pour le développement (CIRAD, France).

VIBASS is structured around three different activities that are carried out in a total of 5 days.

1. The first two days (always Monday and Tuesday) include a basic course on Bayesian learning (12 hours), with conceptual and practical sessions. In the latter we use basic Bayesian R packages so it is recommended that each participant brings his or her own laptop. The instructors of this course are the members of the scientific and organising committee of the VIBASS: Carmen Armero (Chair), David Conesa and Anabel Forte from the Universitat de València, Mark Brewer from BioSS, Facundo Muñoz from CIRAD, and Virgilio Gómez-Rubio (who came up with the original idea for the school) from the Universidad de Castilla-La Mancha.
2. The second part includes a two-day (Wednesday and Thursday) 12-hours course dedicated to an issue of current interest in Bayesian research which is generally associated with a statistical package.
3. The last day (Friday) is devoted to the VIBASS Workshop. It includes two plenary sessions with two invited speakers researchers, usually a man and a woman. The VIBASS Workshop ends with a poster session in which participants in the school are encouraged to present their work and share it with the rest of the participants.

To date, we have had four editions of VIBASS. VIBASS1 was in 2017, VIBASS2 in 2018, VIBASS3 in 2019, and VIBASS4 in 2021 which was initially planned for 2020, but had to be postponed to 2021 because of the COVID-19. Next we present some information about them.

VIBASS1 was held from 17th until 21th July 2017. In this edition the invited course was Bayesian Inference with Stan and was given by Aki Vehtari (Aalto University, Finland). The invited speakers in the First VIBASS Workshop were Mark Brewer (Bayesian modelling: case studies in ecology and environmental science) from BioSS, and Maria Grazia Pennino (Bayesian Species Distribution Models: an overview) from the Instituto Oceanográfico, Murcia, Spain. This edition received 26 students coming from Australia, Austria, France, Germany, Spain, and the Netherlands. The total number of posters presented was 10.



VIBASS 1
València International Bayesian Analysis Summer School
17th -21st July 2017 València (Spain)

Mon 17th Tue 18th	Introduction to Bayesian Learning ⌚ 12 hours	Instructors: Carmen Armero David Conesa Anabel Forte (Universitat de València, Spain) Virgilio Gómez-Rubio (Universidad de Castilla La-Mancha, Spain)
Wed 19th Thu 20th	Bayesian Inference with Stan ⌚ 12 hours	Instructor: Aki Vehtari (Aalto University, Finland)
Fri 21st	1st VIBASS Workshop	Invited speakers: Mark Brewer (Biomathematics and Statistics Scotland, UK) Maria Grazia Pennino (Instituto Oceanográfico de Murcia, Spain)

Registration:		Fees include:	More info:
	Before May 15th After May 15th	☕ Coffee and oxata breaks 🍽️ Summer School Dinner 📁 Course material 🍴 Lunches	http://vabar.es/events/vibass Faculty of Mathematics (Universitat de València) C/Doctor Moliner, 50 46100. Burjassot, València
Student	260 € 320 €		
Academia	375 € 475 €		
Industry	500 € 650 €		

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VIBASS2 was held from 16th to 20th July 2018. In this edition the invited course was dedicated to structured additive regression models and R package BayesX. The course was given by Nadja Klein (University of Melbourne, Australia) and Nikolaus Umlauf (Universität Innsbruck). The invited speakers in the Second VIBASS Workshop were Paloma Botella (From Multivariate to Multidimensional Bayesian Disease Mapping) from the Conselleria de Sanitat Universal i Salut Pública de la Generalitat Valenciana, and Luigi Spezia (Markov Switching Models For High-Frequency Time Series From Automatic Monitoring Of Animals) from BioSS. This edition received 47 students coming from Canada, Cuba, France, Germany, Great Britain, the Netherlands, Portugal, South Africa, Spain, the USA. The total number of posters presented was 17.



VIBASS 2
València International Bayesian Summer School
16 - 20 JULY 2018
València - Spain

Mon 16th Tue 17th	Introduction to Bayesian Learning ⌚ 12 hours	Instructors: Carmen Armero David Conesa Anabel Forte (Universitat de València, Spain) Virgilio Gómez-Rubio (Universidad de Castilla La-Mancha, Spain)
Wed 18th Thu 19th	Bayesian Modelling with BayesX ⌚ 12 hours	Nadja Klein (University of Melbourne, Australia) Nikolaus Umlauf (Universität Innsbruck, Austria)
Fri 20th	2nd VIBASS Workshop	Invited speakers: Paloma Botella (Conselleria de Sanitat Universal i S.P., València) Luigi Spezia (Biomathematics & Statistics Scotland, UK)

Registration:				Fees include:	
Complete Summer School:		Advanced course + workshop:		☕ Coffee and oxata breaks 🍽️ Summer School Dinner 📁 Course material 🍴 Lunches	
	Before May 15th After May 15th		Before May 15th After May 15th		
Student	260 € 320 €		200 € 260 €		
Academia	375 € 475 €		300 € 400 €		
Industry	500 € 650 €		400 € 550 €		

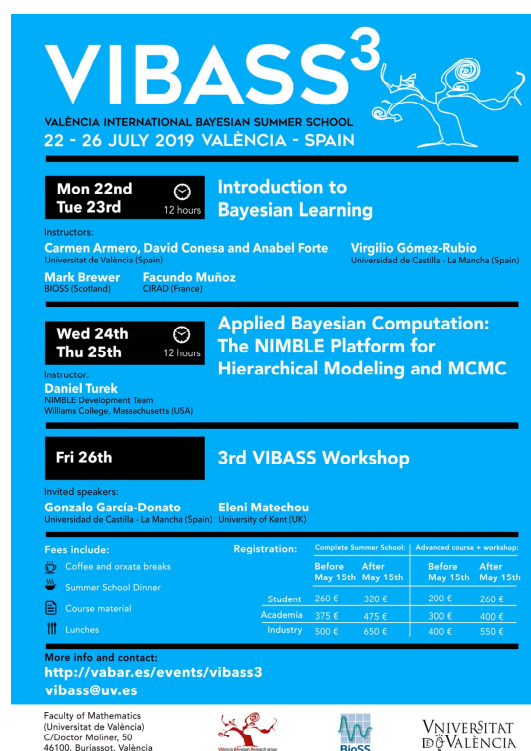
More info and contact:
<http://vabar.es/events/vibass2>
vibass@uv.es
Faculty of Mathematics (Universitat de València)
C/Doctor Moliner, 50
46100. Burjassot, València

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VIBASS3 was held from 22th until 26th July 2019. In this edition the invited course was dedicated to NIMBLE. The course, Applied Bayesian Computation: The NIMBLE platform for Hierarchical Modeling and MCMC was provided by Daniel Turek (Williams College, Massachusetts, USA).

The invited speakers and the title of their contribution in the Third VIBASS Workshop were Gonzalo García-Donato (Model Averaging techniques from a Bayesian perspective) from the Universidad de Castilla-La Mancha, Spain) and Eleni Matechou (Bayesian modelling of environmental DNA data) from the University of Kent, UK.

This edition received 37 students (only 35 places officially offered) from Czech Republic, France, Germany, Great Britain, Lebanon, Portugal, Saudi Arabia, Slovenia, Spain, the Netherlands, and the USA. The total number of posters presented was 8.



VIBASS³
 VALÈNCIA INTERNATIONAL BAYESIAN SUMMER SCHOOL
 22 - 26 JULY 2019 VALÈNCIA - SPAIN

Mon 22nd Tue 23rd 12 hours
Introduction to Bayesian Learning
 Instructors: Carmen Armero, David Conesa and Anabel Forte (Universitat de València (Spain)), Virgilio Gómez-Rubio (Universidad de Castilla - La Mancha (Spain)), Mark Brewer (BioSS (Scotland)), Facundo Muñoz (CIRAD (France))

Wed 24th Thu 25th 12 hours
Applied Bayesian Computation: The NIMBLE Platform for Hierarchical Modeling and MCMC
 Instructor: Daniel Turek (NIMBLE Development Team, Williams College, Massachusetts (USA))

Fri 26th
3rd VIBASS Workshop
 Invited speakers: Gonzalo García-Donato (Universidad de Castilla - La Mancha (Spain)), Eleni Matechou (University of Kent (UK))

		Registration:		Complete Summer School:		Advanced course + workshop:	
		Before May 15th	After May 15th	Before May 15th	After May 15th	Before May 15th	After May 15th
☕ Coffee and snacks breaks							
🍽 Summer School Dinner							
📁 Course material	Student	260 €	320 €	200 €	260 €		
	Academia	375 €	475 €	300 €	400 €		
🍽 Lunches	Industry	500 €	650 €	400 €	550 €		

More info and contact:
<http://vabar.es/events/vibass3>
 vibass@uv.es

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 C/Doctor Moliner, 50
 46100. Burjassot, València

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VIBASS4 was held from 12th until 16th July 2021. In this edition the invited course was *Bayesian computation with R-INLA* and it was provided by Håvard Rue and Janet van Niekerk (King Abdullah University of Science and Technology KAUST, Soud Arabia).

The invited speakers in the Fourth VIBASS Workshop will be Paula Moraga (Bayesian risk models for tropical disease mapping) from KAUST, and David Rosell (Illustrating the flexibility of Bayesian models: from cancer medicine to political tweets) from the Universitat Pompeu Fabra, Spain. The teaching of this edition was hybrid (online and onsite) due to the restrictions derived by the covid pandemic. We received 46 students from Argentina, France, Germany, Ireland, Italy, Portugal, Saudi Arabia, Spain, and UK. The total number of posters presented by the students was 13.



VIBASS⁴ 2021
 València International Bayesian Summer School
 Mon 12th - Fri 16th - July - València - Spain
 On-site and on-line options available

Mon 12th - Tue 13th 12 hours
Introduction to Bayesian Learning
 Instructors: Carmen Armero, David Conesa, Anabel Forte (Universitat de València (Spain)), Virgilio Gómez-Rubio (Universidad de Castilla - La Mancha (Spain)), Mark Brewer (BioSS (Scotland)), Facundo Muñoz (CIRAD (France))

Wed 14th - Thu 15th 12 hours
Bayesian computing with R-INLA
 Instructors: Håvard Rue and Janet Van Niekerk (King Abdullah University of Science and Technology (Saudi Arabia))

Fri 16th
4th VIBASS Workshop
 Invited Speakers: Paula Moraga (King Abdullah University of Science and Technology (Saudi Arabia)), David Rosell (Universitat Pompeu Fabra & GSE Barcelona Data Science Center (Spain))

		Complete Summer School:		Advanced course + workshop:	
		Before May 15th	After May 15th	Before May 15th	After May 15th
Student		260 €	320 €	200 €	260 €
Academia		375 €	475 €	300 €	400 €
Industry		500 €	650 €	400 €	550 €

*25% discount in all registration fees for online attendees

On-site fees include
 Coffee and snacks breaks
 Social program activities
 Summer School Dinner
 Course material
 Lunches

Registration*

info & contact
<http://vabar.es/events/vibass4>
 vibass@uv.es

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