

NIMBioS Tutorial: Computing in the Cloud

Time	Sunday, April 6	Monday, April 7	Tuesday, April 8
Morning Sessions			
8:00 AM	Breakfast at NIMBioS	Breakfast at NIMBioS	Breakfast at NIMBioS
9:00 AM	Greeting from NIMBioS	pbdR: A package for big data computation Drew Schmidt	RCpp: Integrating R and C++ for improved performance Drew Schmidt
	Computing in the Cloud: A review of options, costs & benefits		
10:00 AM		Break	Break
10:15 AM	Break	Phylogenies with transition probabilities Nick Matzke	RCpp continued Drew Schmidt
10:40 AM	HPC R Drew Schmidt		
11:00 AM	Discuss getting set up, R tools, packages, and coding practices	Visualization in R Bob Muenchen	EOF(principle components in parallel) Da Li & George Ostrochov
12:00 PM	Lunch at NIMBioS	Lunch at NIMBioS	Lunch at NIMBioS
Afternoon Sessions			
1:00 PM	R in the classroom 1 Danny Kaplan	R in the classroom 2 Danny Kaplan	
2:00 PM	More HPC R Drew Schmidt	Phylogenetics Brian O'Meara	
3:00 PM	Break	Break	First flight out ?
3:15 PM	Bayesian mixed models and MCMC in life science Russ Zaretzki & Mike Gilchrist	Hands on activities on different platforms Russell Zaretzki & Drew Schmidt	
4:00 PM	Fitting complex mixed models using HPC Wei-Chen Chen		
5:00 PM	Dinner on your own	NIMBioS reception Dinner on your own	