

DAVID G. ROBINSON

Carl Icahn Laboratory · Princeton, NJ · 08544

✉ dgrtwo@princeton.edu
varianceexplained.org

EDUCATION

PERIOD	September 2010 — Present
DEGREE	PhD in Quantitative and Computational Biology
UNIVERSITY	Princeton University Princeton, NJ

PERIOD	September 2006 — May 2010
MAJOR	Bioinformatics and Computational Biology Track in Statistics
GPA	3.65/4
UNIVERSITY	Harvard College Cambridge, MA

PUBLICATIONS

- Robinson, D.G. (2015) broom: an R package for converting statistical analysis objects into tidy data frames. arXiv preprint. arXiv:1412.3565 [stat.CO].
- Robinson, D.G., Wang, J., and Storey, J.D. (2014) A nested parallel experiment demonstrates differences in intensity-dependence between RNA-seq and microarrays. biorXiv preprint. doi:10.1101/013342.
- Robinson, D.G. and Storey, J.D. (2014) subSeq: Determining appropriate sequencing depth through efficient read subsampling. Bioinformatics; doi: 10.1093/bioinformatics/btu552.
- Robinson, D.G., Chen, W., Storey, J.D., and Gresham, D. (2014) Design and Analysis of Bar-seq Experiments. G3: Genes/Genomes/Genetics, 4(1), 11-18
- Robinson, D.G., Lee, M.C. and Marx, C.J. (2012) OASIS: an automated program for global investigation of bacterial and archaeal insertion sequences. Nucleic Acids Research, 10.1093/nar/gks778.
- Vuilleumier, S., Chistoserdova, L., Lee, M.C.... Robinson, D.G.... (2009) Methylobacterium genome sequences: a reference blueprint to investigate microbial metabolism of C1 compounds from natural and industrial sources. PloS one, 4, e5584.

TEACHING EXPERIENCE

Online

COURSE	Data Analysis and Visualization Using R
POSITION	Instructor
ADDRESS	http://varianceexplained.org/RData/

Princeton University

COURSE	Data Analysis and Visualization Using R
TERM	Wintersession 2014
POSITION	Instructor

COURSE	Introduction to Genomics and Computational Molecular Biology
TERM	Fall 2013
POSITION	Assistant in Instruction
INSTRUCTORS	Professor Mona Singh and Dr. Anastasia Baryshnikova

COURSE	Introduction to Genomics and Computational Molecular Biology
TERM	Fall 2012
POSITION	Assistant in Instruction
INSTRUCTORS	Professors Mona Singh and Coleen Murphy

Harvard University

COURSE	Computer Science 50: Introduction to Programming I
TERM	Fall 2009
POSITION	Teaching Fellow
INSTRUCTOR	Dr. David Malan

COURSE	Computer Science 1: Great Ideas in Computer Science
TERM	Spring 2009
POSITION	Teaching Fellow
INSTRUCTOR	Dr. Henry Leitner

SKILLS

Programming Languages	Python, R, C#, C++, C, JavaScript
Web	HTML, CSS, MySQL, Django, Flask, Jekyll
Tools	SVN, Git, LaTeX, UNIX