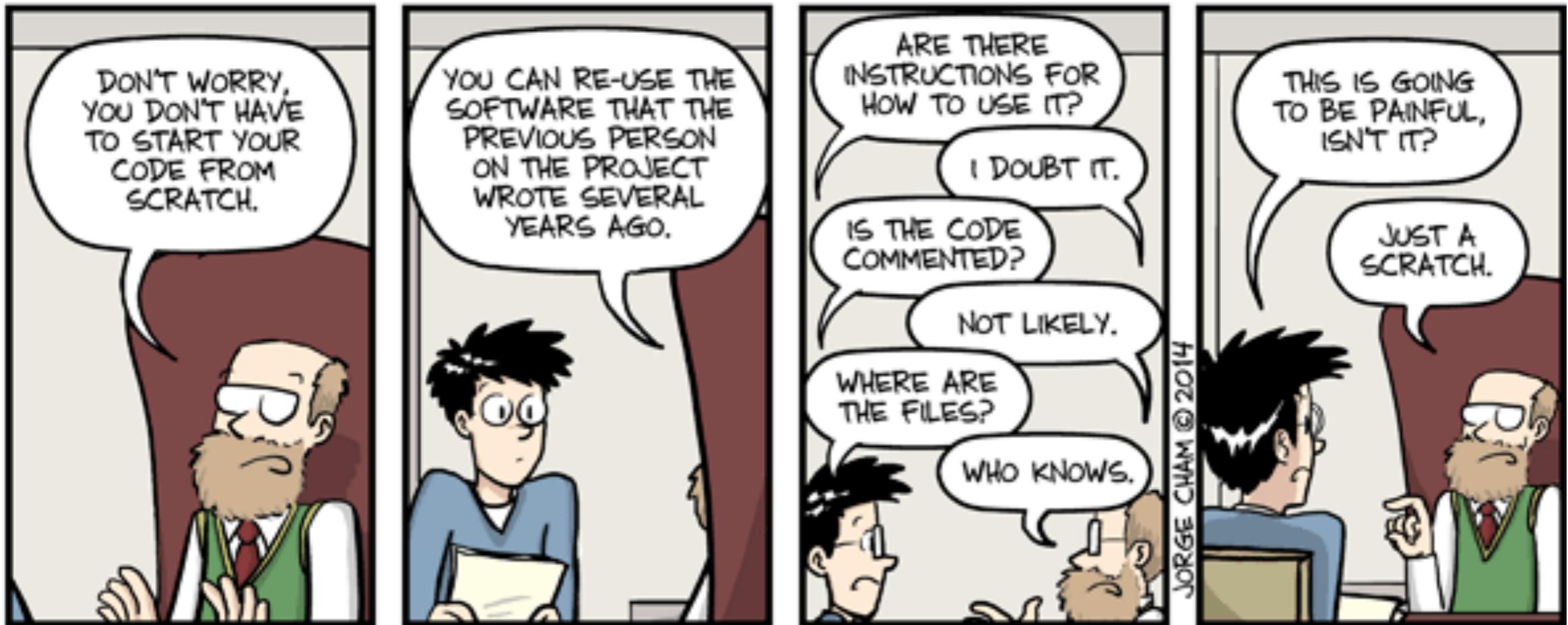


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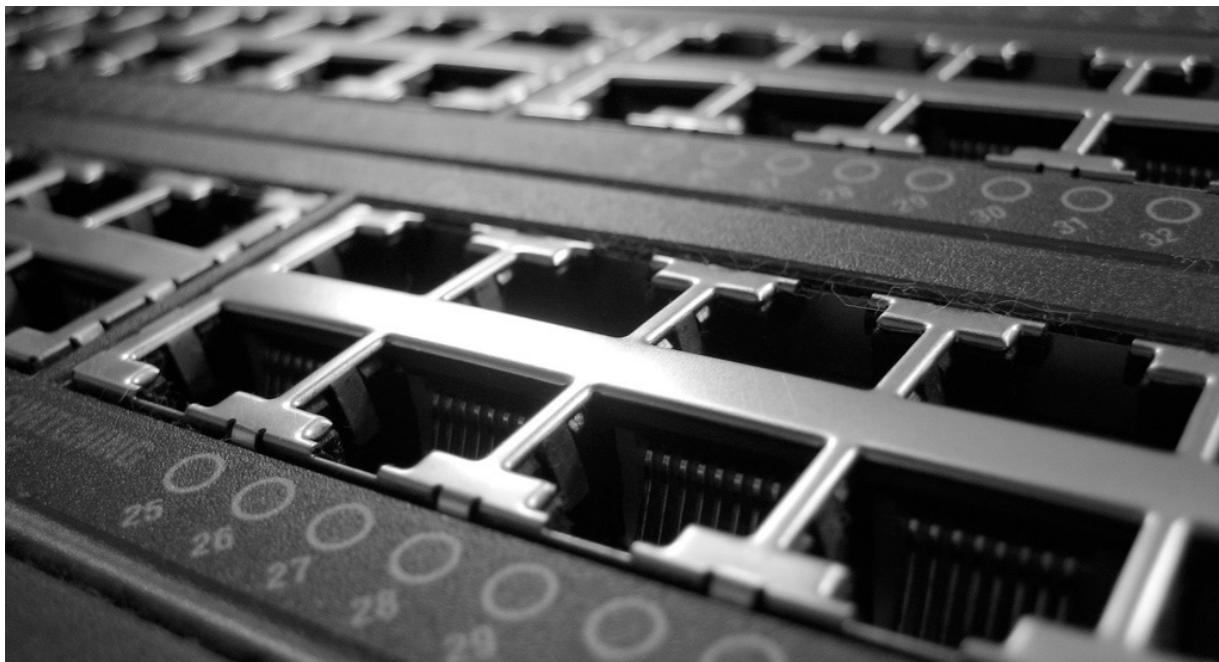
title: "Scratch" - originally published 3/12/2014 [WWW.PHDCOMICS.COM](http://www.phdcomics.com)

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R Markdown

from R Studio®



Tools for Reproducible Science:

Collaborate on, and share your data analysis using
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Shannan Ho Sui
Director



John Hutchinson
Associate Director



Victor Barrera



Zhu Zhuo



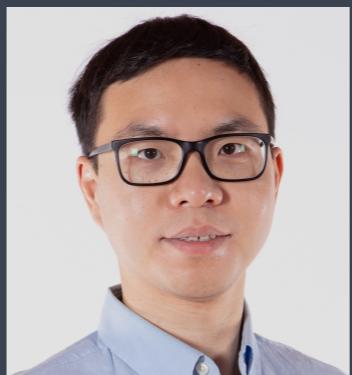
Preetida Bhetariya



Meeta Mistry



Mary Piper
Assoc. Training Director



Jihe Liu



Radhika Khetani
Training Director



Maria Simoneau



James Billingsley



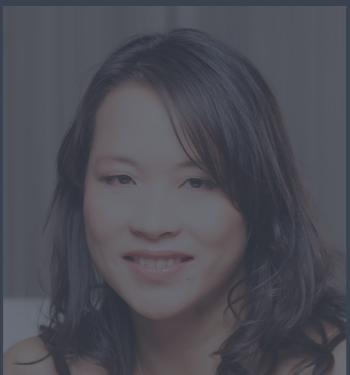
Sergey Naumenko



Joon Yoon



Peter Kraft
Faculty Advisor



Shannan Ho Sui
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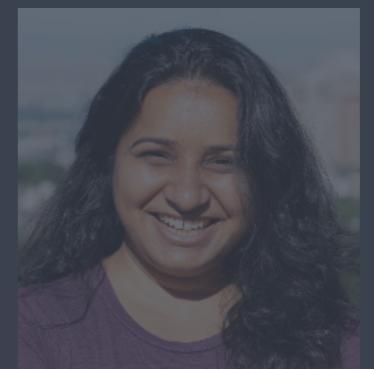
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Training

- **Basic Data Skills**
 - Introduction to **command line** (Unix) and **high-performance computing**
 - Introduction to **R**
- **Advanced Analyses of NGS Data**
 - Bulk RNA-seq
 - Single-cell RNA-seq
 - ChIP-seq
- Monthly, short workshops on various bioinformatics topics

Consulting

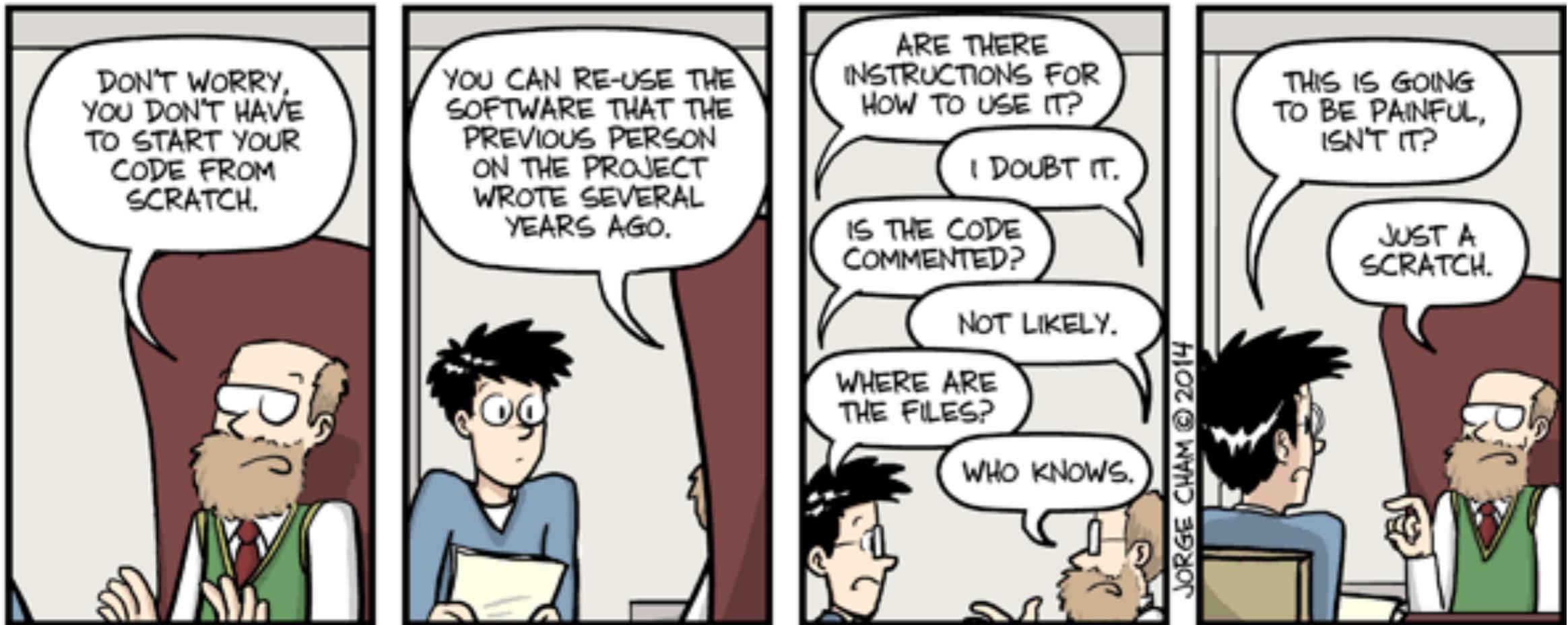
- **Transcriptomics:** RNA-seq, small RNA-seq, scRNA-Seq
- **Epigenetics:** ChIP-seq, genome-wide methylation, ATAC-Seq
- **DNA Variation:** WGS, resequencing, exome-seq and CNV studies
- **Functional enrichment analysis**
- **Exp. design help & grant support**

Nanocourse Scope

Learning Objectives

- ✓ Describe methods for documenting computational analyses
- ✓ Generate reports for R-based analyses using RMarkdown
- ✓ Track changes using the Git version control system and the GitKraken tool
- ✓ Collaborate effectively, and disseminate code & other documents using Github

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