What is Bioconductor

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and open development

More pragmatic: Bioconductor is a software repository of R packages with some rules and guiding principles.

Version 3.0 had 936 software packages.

All sizes, shapes and quality

Sometimes there are several choices

Bioconductor + CRAN

"The journal has sufficient experience with these resources to endorse their use by authors. We do not yet provide any endorsement for the suitability or usefulness of other solutions."

Nature Genetics editorial "Credit for Code" 2014, 46:1

Bioconductor has emphasized
Reproducible Research
since its start, and has been an early
adapter and driver of tools to do this.

Why?
Productivity
Flexibility

"Bioconductor: open software development for computational biology and bioinformatics"
    Gentleman et al
    Genome Biology 2004, 5:R80

"Orchestrating high-throughput genomic analysis with Bioconductor"
    Huber et al
    Nature Methods 2015, 12:115-121

Welcome to the class!