renjin

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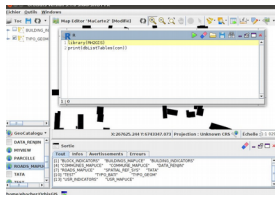
What is Renjin

R interpreter in pure Java that runs on the JVM.

Run and scale in Cloud



Import as Java library in existing application

Use Java Enterprise Development Environment

renjin

R in existing Java applications

```java
import javax.script.*;
import org.renjin.script.*;

public class TryRenjin {
  public static void main(String[] args) throws Exception {
    RenjinScriptEngineFactory factory = new RenjinScriptEngineFactory();
    ScriptEngine engine = factory.getScriptEngine();

    engine.eval("df <- data.frame(x=1:10, y=(1:10)+rnorm(n=10))");
    engine.eval("print(df)");
    engine.eval("print(lm(y ~ x, df))");
  }
}
```

```
   x      y
1  1   -0.188
2  2    3.144
3  3    1.625
4  4    3.426
5  5     6.45
6  6     5.85
7  7    7.774
8  8    8.495
9  9    9.276
10 10  10.603

Call:
lm(formula = y ~ x, data = df)

Coefficients:
(Intercept) x
-0.582       1.132
```

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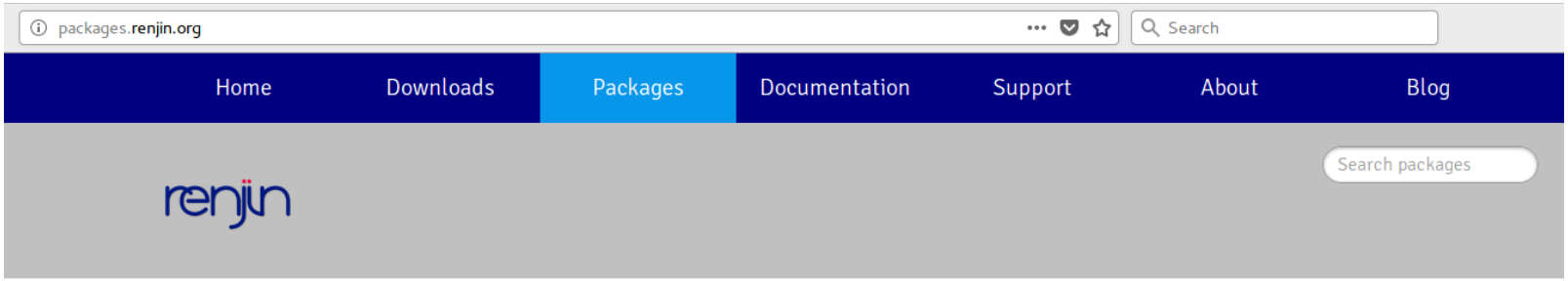
Renjin package repository



Packages

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A3
Accurate, Adaptable, and Accessible Error Metrics for Predictive Models

a4
Automated Affymetrix Array Analysis Umbrella Package

a4Base
Automated Affymetrix Array Analysis Base Package

a4Classif
Automated Affymetrix Array Analysis Classification Package

a4Core
Automated Affymetrix Array Analysis Core Package

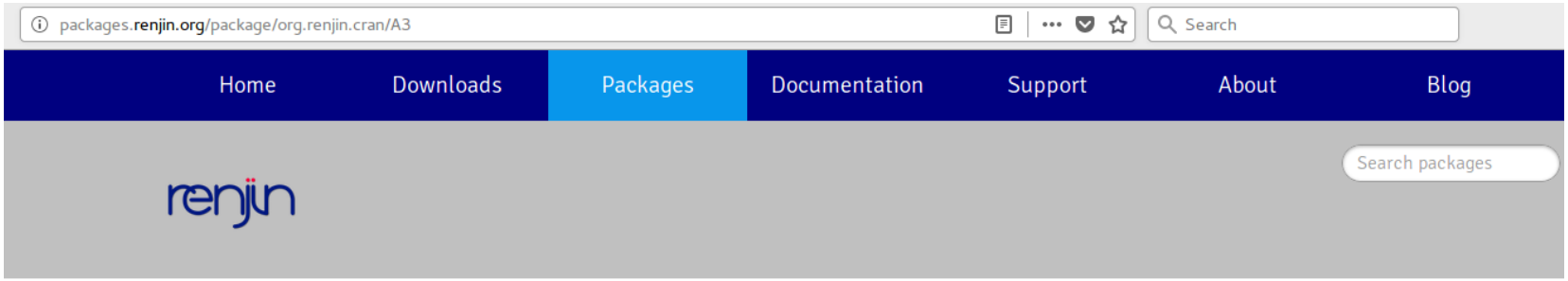
a4Preproc
Automated Affymetrix Array Analysis Preprocessing Package

a4Reporting
Automated Affymetrix Array Analysis Reporting

ABAData
Averaged gene expression in human brain regions

ABAEnrichment
Gene expression enrichment in human brain

Renjin package repository



CRAN

A3 1.0.0

Accurate, Adaptable, and Accessible Error Metrics for Predictive Models

Released Aug 16, 2015 by Scott Fortmann-Roe

This package is available for Renjin and there are no known compatibility issues.

Dependencies

PBAPPLY 1.3-3 XTABLE 1.8-2

Supplies tools for tabulating and analyzing the results of predictive models. The methods employed are applicable to virtually any predictive model and make comparisons between different methodologies straightforward.

Source

R

View GitHub Mirror

Release History

» 1.0.0
» 0.9.2
» 0.9.1

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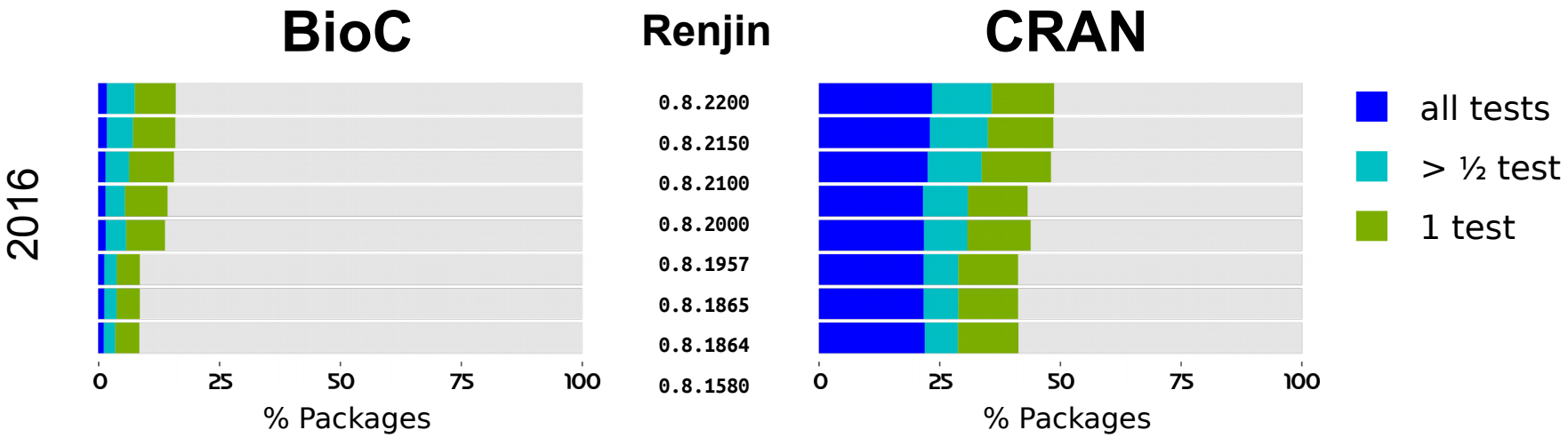
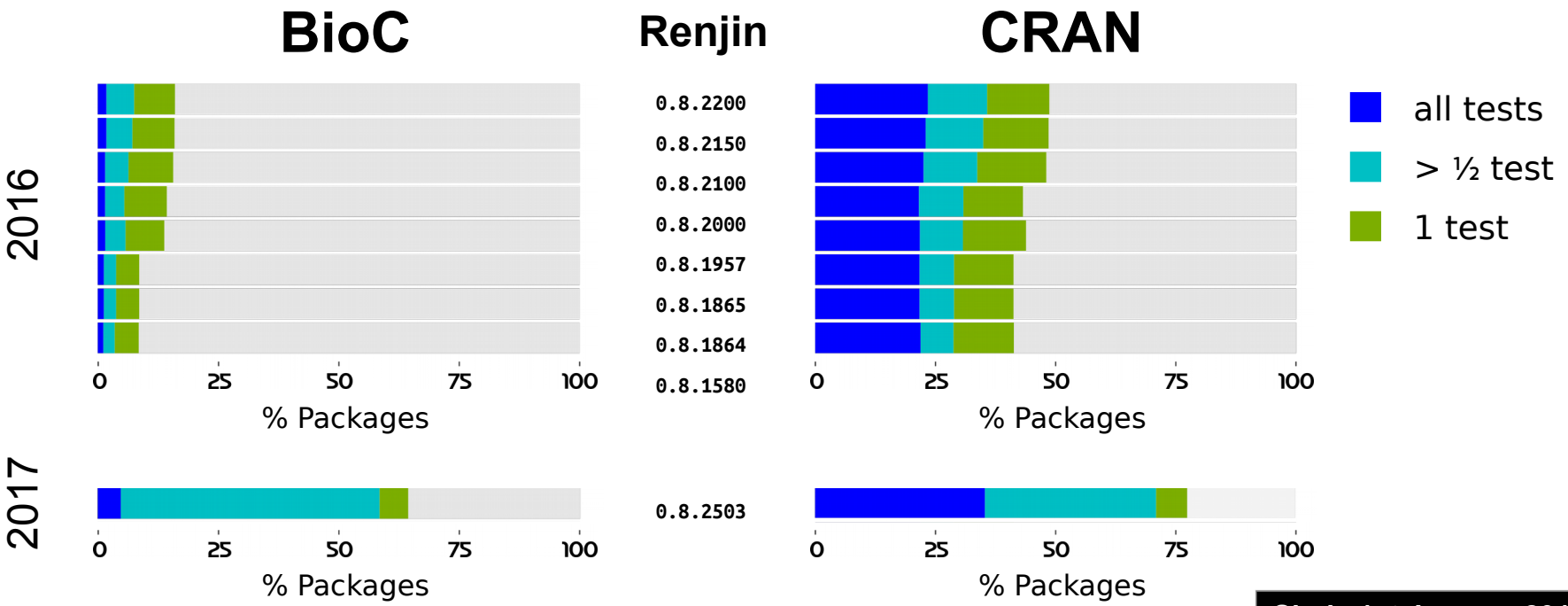
GNU R Compatibility

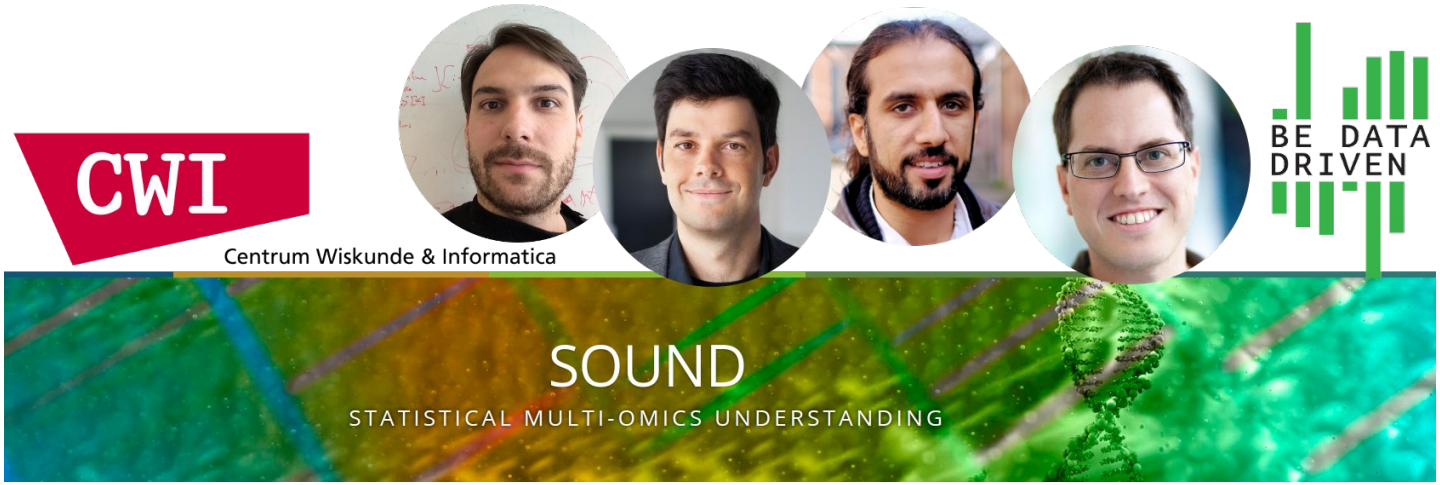


GNU R Compatibility



Sinds 1st January 2016	
Builds	~ 630
Compiles	~ 1130
Passing tests	> 15k

Questions?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