

Download and Installation Instructions for Multi- and Single-Reader Sample Size Program for Diagnostic Studies

To ensure complete functionality you should not attempt to run the program within your web browser or as an attachment to an email message. When downloading the program file, instead of using the “run” option within your browser, use the “save” option. The file should be saved to a folder such as the users documents folder (e.g., My Documents in Windows) if you are using a standard account. When saving output, you should save the files to your documents folder as well. If you have administrative rights on the machine, you can copy the program file to any location and save results to any location.

The program file is an executable Java jar file that requires a Java runtime environment. The program will warn the user if the Java version needs to be updated. Java runtime environments for Windows, OS X, and Linux are available at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. The same jar file can be used on Windows, OS X, or Linux – there are not separate downloads for the various operating systems. See the section below for instructions for obtaining the Java runtime environment.

Obtaining the Java Runtime Environment (JRE)

The JRE necessary to run the .jar file for the sample size program can be obtained from the Oracle website at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. On that page, you are presented with options for different versions of JAVA. You should scroll down the page until you reach the “Java SE 8u151/8u152” section. In this section are three options: a JDK download, a Server JRE download, and a JRE download. The appropriate download is the JRE download:

Java Platform, Standard Edition

Java SE 9.0.1

Java SE 9.0.1 includes important bug fixes. Oracle strongly recommends that all Java SE 9 users upgrade to this release.

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JDK

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Server JRE

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JRE

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Which Java package do I need?

- **Software Developers: JDK** (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.
- **Administrators running applications on a server: Server JRE** (Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer. [Learn more](#) ▶
- **End user running Java on a desktop: JRE**: (Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system.

Java SE 8u151/ 8u152

Java SE 8u151 includes important bug fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Java SE 8u152 is a patch-set update, including all of 8u151 plus additional features (described in the release notes).

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JDK

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Server JRE

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JRE

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After clicking download, you will see options (as shown below) for Java SE Runtime Environment 8u151 and 8u152. We recommend 8u151. Select the download appropriate for your operating system. For Windows users, select the "x86 Offline" version if you have a 32-bit operating system. You can determine whether you have a 32- or 64-bit version of Windows by selecting Start -> Computer -> System Properties. Look for the line that begins with "System type". If you have a 64-bit version of Windows, select the "x64 Offline" version. For most OS X users, the ".dmg" version will be easier to install. Linux users will need to select an appropriate download based on the package manager that their flavor of Linux uses (see https://docs.oracle.com/javase/8/docs/technotes/guides/install/linux_jre.html for details). An additional note for Linux users is that our program is only supported on the Oracle JRE. It may function correctly with the OpenJDK version of the JRE, but that has not been tested and is not supported.

You will need to accept the license agreement to continue the download:

Java SE Runtime Environment 8 Downloads

Do you want to run Java™ programs, or do you want to develop Java programs? If you want to run Java programs, but not develop them, download the Java Runtime Environment, or JRE™.

If you want to develop applications for Java, download the Java Development Kit, or JDK™. The JDK includes the JRE, so you do not have to download both separately.

[JRE 8u151 Checksum](#)

[JRE 8u152 Checksum](#)

Java SE Runtime Environment 8u151

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Product / File Description	File Size	Download
Linux x86	63.37 MB	jre-8u151-linux-i586.rpm
Linux x86	79.24 MB	jre-8u151-linux-i586.tar.gz
Linux x64	60.39 MB	jre-8u151-linux-x64.rpm
Linux x64	76.32 MB	jre-8u151-linux-x64.tar.gz
macOS	74.14 MB	jre-8u151-macosx-x64.dmg ← OS X
macOS	65.82 MB	jre-8u151-macosx-x64.tar.gz
Solaris SPARC 64-bit	52.23 MB	jre-8u151-solaris-sparcv9.tar.gz
Solaris x64	49.97 MB	jre-8u151-solaris-x64.tar.gz
Windows x86 Online	1.77 MB	jre-8u151-windows-i586-iftw.exe
Windows x86 Offline	60.72 MB	jre-8u151-windows-i586.exe ← 32-bit
Windows x86	64.49 MB	jre-8u151-windows-i586.tar.gz
Windows x64 Offline	67.25 MB	jre-8u151-windows-x64.exe ← 64-bit
Windows x64	68.5 MB	jre-8u151-windows-x64.tar.gz ← Windows

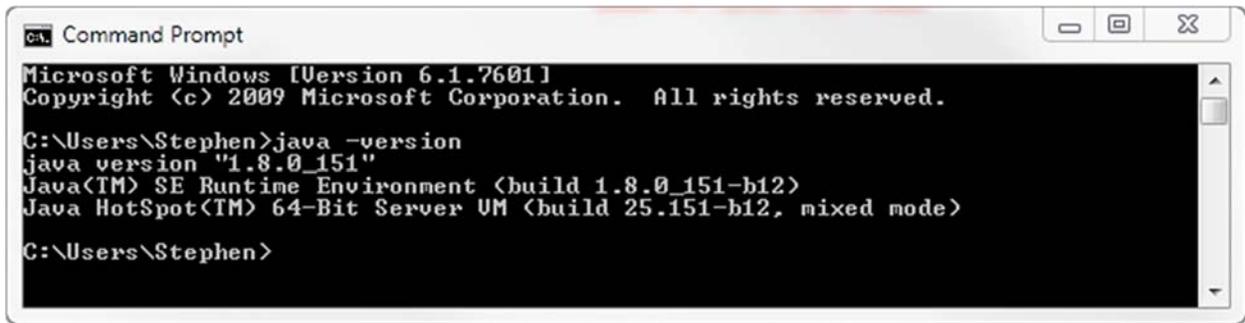
Java SE Runtime Environment 8u152

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Product / File Description	File Size	Download
Linux x86	63.39 MB	jre-8u152-linux-i586.rpm
Linux x86	79.28 MB	jre-8u152-linux-i586.tar.gz
Linux x64	60.4 MB	jre-8u152-linux-x64.rpm
Linux x64	76.35 MB	jre-8u152-linux-x64.tar.gz
macOS	74.17 MB	jre-8u152-macosx-x64.dmg
macOS	65.86 MB	jre-8u152-macosx-x64.tar.gz
Solaris SPARC 64-bit	52.24 MB	jre-8u152-solaris-sparcv9.tar.gz
Solaris x64	50.01 MB	jre-8u152-solaris-x64.tar.gz
Windows x86 Online	1.77 MB	jre-8u152-windows-i586-iftw.exe
Windows x86 Offline	61.08 MB	jre-8u152-windows-i586.exe
Windows x86	64.54 MB	jre-8u152-windows-i586.tar.gz
Windows x64 Offline	67.66 MB	jre-8u152-windows-x64.exe
Windows x64	68.54 MB	jre-8u152-windows-x64.tar.gz

After running the installation, you can check whether you have successfully installed the JRE by opening a command prompt or terminal window and typing "java -version". You should see a result of the form java version "1.8.0_xxx" where "xxx" is the version number of the JRE you installed. In the example above, xxx would be 151:

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt". The window content shows the following text:

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Stephen>java -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)

C:\Users\Stephen>
```

Note: These instructions are current as of January 13, 2018. A more recent version of the Java SE Runtime Environment may have become available since this date.