Manual de Instalación

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1. Requerimientos del Sistema

Para el correcto funcionamiento de la herramienta Weka, el sistema debe contar con al menos las siguientes características:

1.1 Hardware

- Procesador Pentium IV 1 GHz o superior.
- Disco duro con al menos 132,5 Mb libres.
- Memoria RAM de 512 Mb o superior.
- Tarjeta gráfica compatible con Open GL con resolución 800x600 o superior.
- Ratón y teclado.

1.2 Software

- Windows 98SE, Me, NT, 2000, XP, Vista, Windows 7 o Windows 8. (Arquitectura Windows x86, x64)
- Mac OS X
- Linux
- JRE (Java Runtime Environment)

| | | | Java | | |
|------|--------|-------------|-----------------------------|-----------------------------|-----|
| | | 1.4 | 1.5 | 1.6 | 1.7 |
| | <3.4.0 | Х | Х | Х | Х |
| | 3.4.x | Х | Х | Х | Х |
| WEKA | 3.5.x | 3.5.0-3.5.2 | >3.5.2 r2892, 20/02/2006 | Х | х |
| | 3.6.x | | Х | Х | Х |
| | 3.7.x | | 3.7.0 | >3.7.0 r5678, 25/06/2009 | х |

2. Manual de instalación

A continuación se describe paso a paso del proceso para realizar la instalación de la herramienta Weka, desde la descarga del software hasta la configuración del mismo.

2.1 Descargar instalador Weka

1. Para realizar la descarga de la herramienta Weka ingrese al siguiente link: <u>http://www.cs.waikato.ac.nz/ml/weka/downloading.html</u>, en este podrá encontrar el software para diferentes sistemas operativos como Windows, Mac OSX y Linux.

| Cń | 3 www.cs.waikato.ac.nz/mi/wwita/downhading.html | 9.01 |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| | Machine Learning Group at the University of Wallato | |
| | Project Software Book Publications People Related | |
| | Downloading and installing Weka | |
| | There are two primary versions of Weka. The stable sensori corresponding to the islast edition of the data mixing book, which only increases bug fraces, and the development version, which receivers new features and establists a package management system that makes it using for the Weka community to add new functionality to Weka. For the bleeding edge, it is also possible to download nightly stageholds. | |
| | Snapshots | |
| | Every night a starpshot of the Subversion repository is taken, compiled and put together in 21P files. For those who want to have the latest bugbies, they can download these snapshots here | |
| | Stable book 3rd ed. version | |
| | Weika 3.6 is the latest stable version of Weika, and the one described in the 3rd edition of the data mining book . This branch of Weika receives bug time, only dor new features in Weika see the developer version). There are different options for downloading and installing it on your system. | |
| | Windows x86 | |
| | Citcle here to download a self-extracting executable that includes Java VM 1.7 (weba-3-6-10/re ever, 53-6 ME) | |
| | Click here to download a self-estracting executable without the Java VM (weka-5-6-10 exec. 24.0 MB) | |
| | These executables will instal Weika in your Program Menu. Download the second version if you already have Jave 1.0 (or later) an your system. | |
| | - Windows x64 | |
| | Click here to download a self-extracting executable that includes 64 bit Java VM 1.7 (weba.3-8-10)re-a64 exe. 55.1 MB) | |
| | Click here is download a self-extracting executable without the Java VM (welva-3-6-10-ad/4.esse: 24.0 MB) | |
| | These executables will install Weika in your Program Menu. Download the second version if you already have Java 1.6 (or later) on your system | |
| | - Mac OS X | |

2. Después de seleccionar el sistema operativo y la arquitectura (En caso de Windows x86 y x64) encontrar la siguiente página. En la parte inferior izquierda podrá observar el porcentaje de descarga de la herramienta.



3. En la siguiente ventana podrá visualizar el ejecutable de la herramienta descargado.



2.2 Instalación Weka

1. Hacer clic derecho sobre el instalador, seguido de un doble clic en la opcion *Ejecutar como administrador*.

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2. Hacer clic en la opción Next para iniciar la instalación.



3. Hacer clic en la opción *I Agree* para aceptar los términos de instalación.

| Weka | License Agr Please reviev | eement v the license terms | before installing | Weka <mark>3.6.10.</mark> |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|---------------------------|
| ress Page Down to see | e the rest of the ag | reement. | | |
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| Copyright (C) 1989, 19 59 | 991 Free Software Temple Place, Suite | Foundation, Inc. 2 330, Boston, MA | 02111-1307, USA | le - |
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| | Preamble | | | - |
| f you accept the terms igreement to install We soft Install System v08- | of the agreement, ka 3.6.10. Mar-2013.cvs — | click I Agree to co | ntinue. You must | accept the |
| | | | | |

4. Hacer clic en la opción Next para continuar con la instalación.

| Check the components you install. Click Next to continu | want to install and uncheck the co ie. | mponents you don't want to |
|---------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------|
| Select the type of install: | Full 🗸 |] |
| Or, select the optional components you wish to install: | Associate Files Install JRE | Description Position your mouse over a component to see its description. |
| Space required: 93.4MB | | |

5. Hacer clic en la opción Next para continuar con la instalación.

| Weka | Choose Install Location Choose the folder in which to install Weka 3.6.10. |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Setup will install Weka 3 Browse and select anot | .6.10 in the following folder. To install in a different folder, click ner folder. Click Next to continue. |
| | |
| Destination Falder | |
| Destination Folder | 86)\Weka-3-6 Browse |
| Destination Folder C: Program Files (X Space required: 93.4MB Space available: 19.2GB | 86)\Weka-3-6 Browse |

6. Hacer clic en la opción Install para continuar con la instalación.

| Weka | Choose Start Choose a Star | Menu Folder t Menu folder for t | he Weka 3.6.10 | shortcuts. |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|-----------------|--------------|
| Select the Start Menu fo can also enter a name to | older in which you w o create a new folde | ould like to create t er. | he program's sh | ortcuts. You |
| Weka 3.6, 10 | | | | |
| 7-Zip Accessories Administrative Tools Apache Friends Autodesk Bizagi Dropbox FileZilla FTP Client | | | | |
| Games GanttProject Google Chrome | | | | - |
| Do not create shortc soft Install System v08- | uts Mar-2013.cvs —— | | | |
| | | < Back | Install | Cancel |

7. Después de realizar la opción *Install* podrá observar la siguiente ventana, esta indica el porcentaje de instalación.

| Contraction Mathematica | Please wait whi | е vveка 3.6.10 і | s being installed. | |
|----------------------------|---------------------|------------------|---------------------|-----------|
| xtract: ICSSearchAlgori | ithm.html 100% | | | |
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| Extract: package-tree. | html 100% | | | 65 |
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| Extract: SearchAlgorith | m.html 100% | | | |
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| Extract: ICSSearchAlgo | prithm.html 100% | | | - |
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| att Inctall Swittern VUS-1 | Mar-2013/CVS | | | |

8. Hacer clic en la opción Instalar para realizar la instalación de los complemento de Java.



9. La siguiente ventana muestra el proceso de configuración de Java.



10. Hacer clic en la opción *Cerrar* para terminar con la configuración de Java.



11. La siguiente venta visualiza el porcentaje de instalación de la herramienta Weka.

| Weka | Installation Corr Setup was compl | plete eted successfully | | |
|-------------------------|--------------------------------------|---------------------------------------|-----------------|--------|
| ompleted | | | | |
| Output folder: C:\Prog | gram Files (x86)\Weka- | 3-6 | | • |
| Execute: RunJREInsta | ller.bat | | 6 | |
| Created uninstaller: C | Program Files (x86) | ykunukeInstaller. Veka-3-6\uniosta | Dat Lexe | |
| Output folder: C:\User | s\Daniel\AppData\Roa | ming Microsoft \V | /indows\Start M | enu\Pr |
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| Create shortcut: C:\U: | sers \Daniel \AppData \R | oaming Microsoft | Windows\Start | Menu\ |
| Completed | sers (pariler Appoara (k | oaming ynicrosort | windows plant | Menu (|
| 0.0 | | | | |
| | | | | |
| oft Install System v08- | Mar-2013.cvs ——— | | | |

12. Hacer clic en la opción Finish para concluir con la instalación.



13. Finalmente, una vez realizada la instalación en su totalidad, la siguiente ventana se desplegará. Esto indica que el proceso de instalación se completó con éxito.

| rogram Visualization Tools Help | |
|----------------------------------------------------------------------|---------------|
| (Pro- | Applications |
| WEKA | Explorer |
| The University of Waikato | Experimenter |
| Waikato Environment for Knowledge Analysis /ersion 3.6.10 | KnowledgeFlow |
| c) 1999 - 2013 The University of Waikato Hamilton, New Zealand | Simple CLI |

3. Bibliografía

[1] Machine Learning Group at the University of Waikato. Weka 3: Data Mining Software in Java; [Citado 2014 Enero 3] Disponible en: <u>http://www.cs.waikato.ac.nz/ml/weka/</u>

[2] Ian H. Witten, Eibe Frank, Mark A. Hall. Data Mining Practical Machine Learning Tools and Techniques. 3ra Ed; 2011. Páginas [403 - 585].