Pequeno Passo-a-Passo para instalação do OSGeo4W

Essa instalação é necessária para uso do classificador Random Forest disponível no *plugin* Dzetsaka



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Linstalador a partir da rede OSGeo4W (32 bit)

No instalador escolha **Desktop Express Install** e seleccione **QGIS** instalar o último lançamento To get the *long term release* (that is not also the latest release) choose **Instalação avançada** e selecione **qgis-Itr-full**

Baixar a versão do OSGEO4W (a maioria está usando a versão 64 bits)

https://download.osgeo.org/osgeo4w/osgeo4w-setup-x86_64.exe

Depois iniciar a instalação:

OSGeo4W Setup	_		×]	OSGeo4W Setup - Choose Installation Type −		×
OSGeo4W Net Release Setup Program		۲			Choose A Download Source Choose whether to install or download from the internet, or install from files in a local directory.	+	۲
This setup program is used for the initial installation of the OSGeo4W well as all subsequent updates. Make sure to remember where you the pages that follow will guide you through the installation. Please OSGeo4W consists of a large number of packages spanning a wide purposes. We only install a base set of packages by default. You c this program at any time in the future to add, remove, or upgrade pac necessary.	/environme saved it. note that variety of an always r kages as	ent as run		•	Install from Internet (downloaded files will be kept for future re-use)		
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<u>A</u> I Users (RECOMMENDED)						C:\Users\TI\AppData\Local\Temp	B <u>r</u> owse
OSGeo4W will be available to all users of the system.	Create icon on <u>D</u> esktop				-	Start menu name	
◯ Just <u>M</u> e	Add icon to <u>S</u> tart Menu					OSGeo4W	
OSGeo4W will only be available to the current user. Only select this if you lack							

OSGeo4W Setup - Select Connection Type − □ ×	SGeo4W Setup - Choose Download Site(s) − □	;
Select Your Internet Connection Setup needs to know how you want it to connect to the internet. Choose the appropriate settings below.	Choose A Download Site Choose a site from this list, or add your own sites to the list	۲
Direct Connection Use IE5 Settings Use HTTP/FTP Proxy: Proxy Host Port 80	Available Download Sites: http://osgeo4w-oslandia.com http://download.osgeo.org http://ftp.osuosl.org http://www.norbit.de	
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Selecionar todos Sites

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Pessoal, tem que instalar 3 bibliotecas que são: "scipy", "numpy" e "pil" Vai aparecer essa janela, no campo Search Digitar "scipy"

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Depois digitar no campo Search "numpy", aí Clicar no "Skip" também muda automaticamente Novamente digitar no campo Search "pil", aí Clicar no "Skip" também muda automaticamente

OSGeo4W Setup - S	elect Packag	jes				-		×
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Aí finalmente clica em "Avançar"

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msvcrt20	08 (1.0.0-1) Microsoft Visual C/C++ 2008 Runtimes Required by: python-core, msvcrt		
msvcrt20	10 (1.0.0-2) Microsoft Visual C/C++ 2010 Runtimes Required by: msvcrt		
msvcrt20	15 (1.0-2) Microsoft Visual C/C++ 2015 Runtimes Required by: python3-core, sqlite3, openssl		
openssl	(1.1.1d-2) OpenSSL Cryptography (Runtime) Required by: python3-core		
openssl1	0 (1.0.2j-1) OpenSSL 1.0 Cryptography (Old Runtime) Required by: openssl		
python-co	Python core interpreter and runtime	 	
<		>	
∠Install the	ese packages to meet dependencies (RECOMMENDED)		

OSGeo4W Setup - Installation Status and Create Icons	_		×
Installation Status OSGeo4W installation completed successfully.		۲	
Installation Complete			
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Instalação Finalizada, clicar em "Concluir"

2ª Etapa: Abrir o OSGeo4W Shell, como abaixo:

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Gerenciar

Arquivo Início

Compartilhar Exibir Ferramentas de Atalho Ferramentas de Aplicativo

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✓ [™] Pesquisar QGIS 3.10

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📃 Este Computador

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7 itens | 1 item selecionado 1,70 KB



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QGIS 3.10

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Propriedades

1 item selecionado 1,70 KB 7 itens





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✓ [™] Pesquisar QGIS 3.10





Abre OsGeo Shell:

Digite: "py3_env.bat" <Enter>

Depois digite: "pip install scikit-learn" <Enter>

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Selecionar Administrador: OSGeo4W Shell
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C:\Windows\System32>SET PYTHONHOME=C:\PROGRA~1\QGIS3~1.10\apps\Python37
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C:\Windows\System32>PATH C:\PROGRA~1\QGIS3~1.10\apps\Python37;C:\PROGRA~1\QGIS3~1.10\apps\Python37\Scripts;C:\PROGRA~1\QGIS3~1.10\bin;C:\Windows
\system32;C:\Windows;C:\Windows\system32\WBem
C:\Windows\System32>python3 -m pip install scikit-learn -U -user
Usage:
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 C:\PROGRA~1\QGIS3~1.10\bin\python3.exe -m pip install [options] [-e] <local project path> ...
 C:\PROGRA~1\OGIS3~1.10\bin\python3.exe -m pip install [options] <archive url/path> ...
no such option: -u
C:\Windows\System32>pip install scikit-learn
Collecting scikit-learn
 Downloading scikit learn-0.22.2.post1-cp37-cp37m-win amd64.whl (6.5 MB)
                                      6.5 MB 1.6 MB/s
Collecting joblib>=0.11
 Downloading joblib-0.14.1-py2.py3-none-any.whl (294 kB)
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Requirement already satisfied: numpy>=1.11.0 in c:\progra~1\qgis3~1.10\apps\python37\lib\site-packages (from scikit-learn) (1.18.1)
Requirement already satisfied: scipy>=0.17.0 in c:\progra~1\qgis3~1.10\apps\python37\lib\site-packages (from scikit-learn) (1.4.1)
Installing collected packages: joblib, scikit-learn
Successfully installed joblib-0.14.1 scikit-learn-0.22.2.post1
C:\Windows\System32>
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O plugin "dzetsaka" é só instalar normalmente no Menu do QGis "Complementos"

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i Opções		Plugin for semi-automatic classification with Gaussian Mixture Model, Random Forest*, and SVM* classifiers. Very easy and fast to use. *You need to install scitkit-learn library to use these algorithms. For more information on this tool check our github : https://github.com/lennepkade/dzetsaka/ ★★★★★★ 51 voto(s) de classificação, 60495 baixa Categoria Raster Marcadores classification, semi- Atualizar Tudo Desinstalar Complemento Close Help				

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Dúvidas: Jefferson L. Polizel (jlpolize@usp.br)