EX.NO: 1 DATE:	Install the data Analysis and Visualization tool: R/python/ Power BI.

Aim:

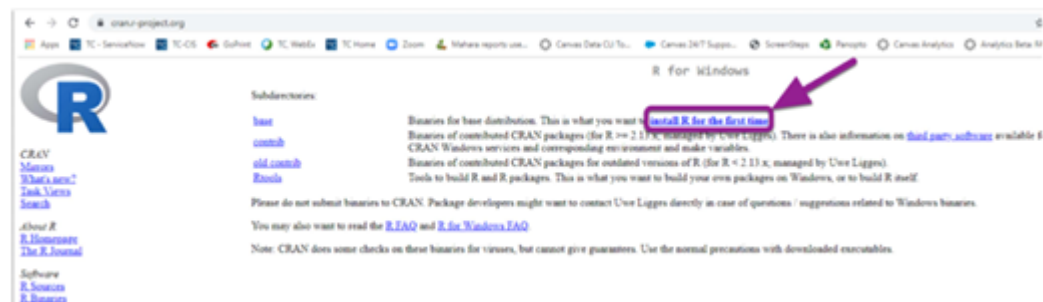**Procedure:**

Install R and R-Studio for windows

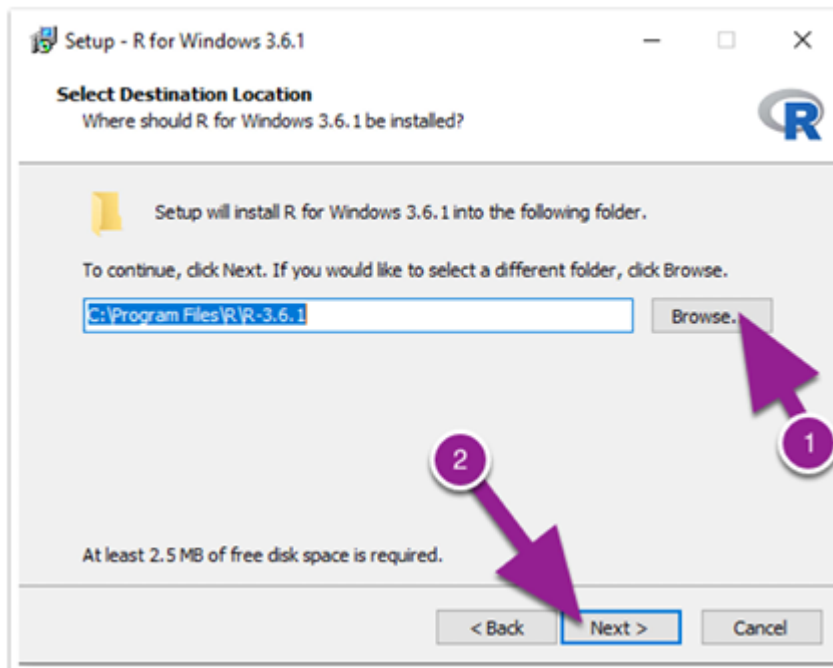1.To install R, go to cran.r-project.org
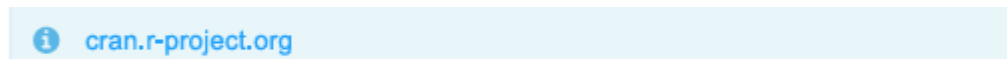
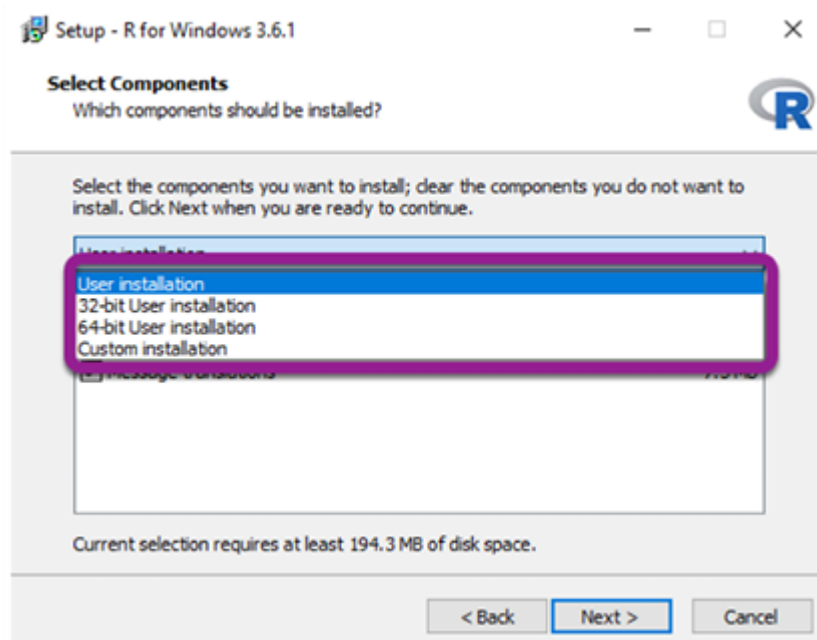2.Depending on your operating system, click Download R for (your operating system).

3.Click on install R for the first time.

4.Click Download R for Windows. Open the downloaded file.

5.Select the language you would like to use during the installation. Then Click Ok.

6.Click Next.

7.Select where you would like R to be installed. It will default to your program Files on your C Drive. Click Next.
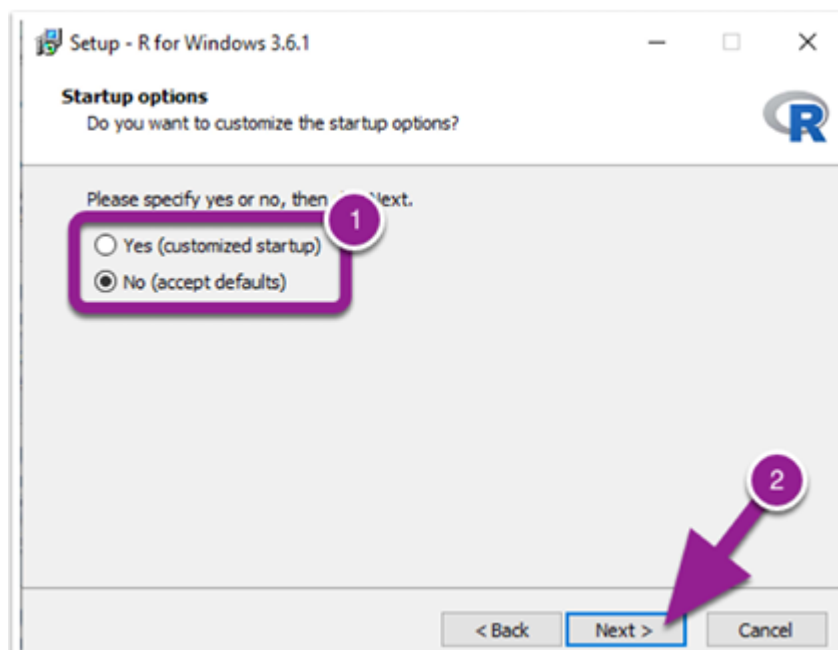
8. You can then choose whuch installation you would like.

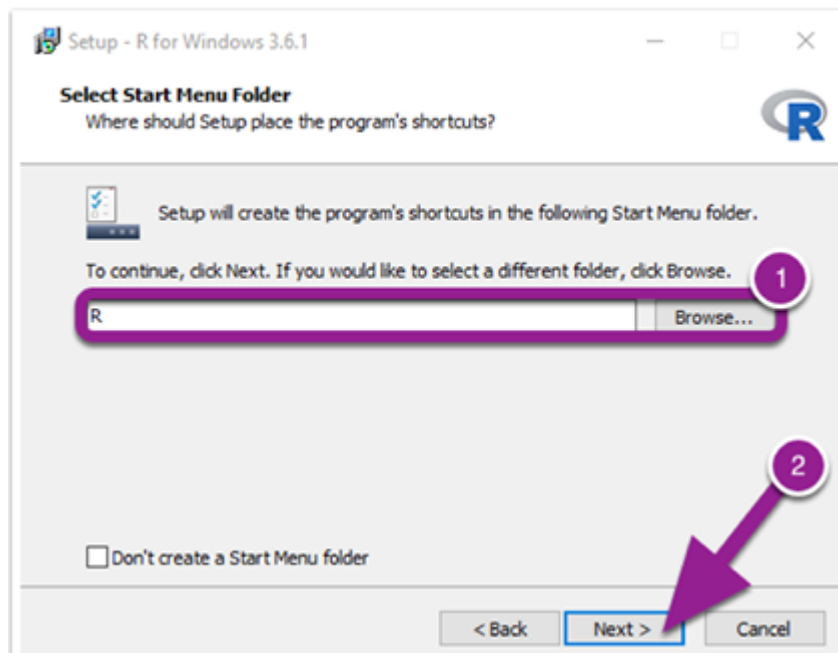9.(Optional) If your computer is a 64-bit user Installation. Then Click Next.
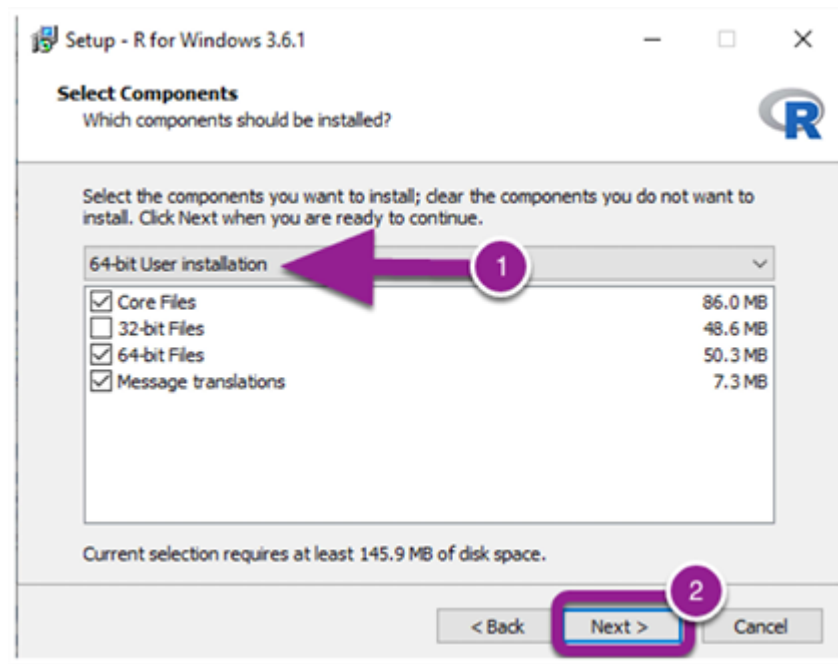
10. Then specify if you want to customized your startup or just use the defaults. Then click Next.

11. Then you can choose the folder that you want R to be saved within or the default if the R folder that was created. Once you have finished, Click Next.

12.You can then select additional shortcuts if you would like. Click Next.
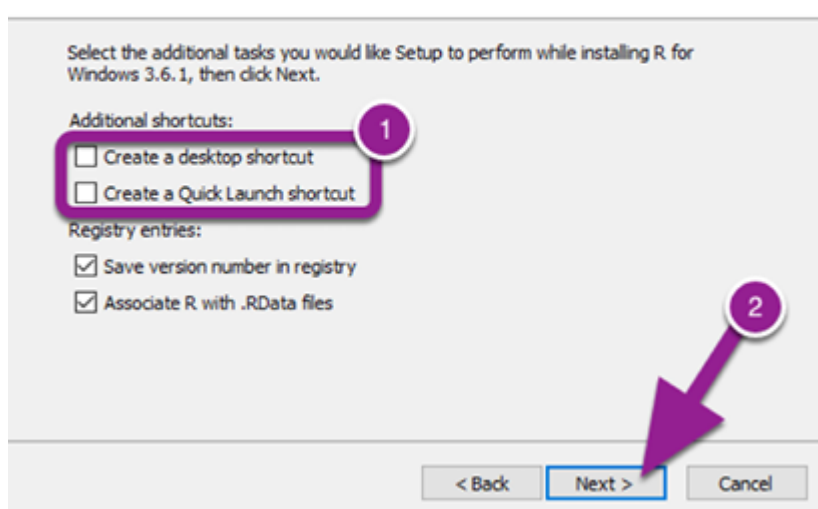
13.Click Finish.
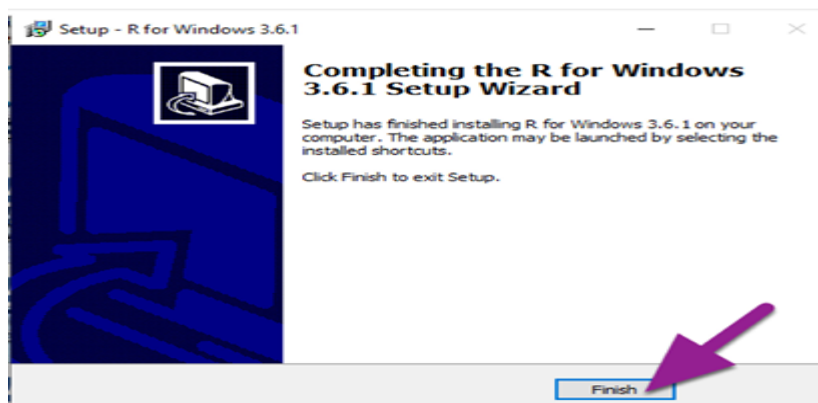
14. Next, download Rstudio. Go to www.rstudio.com

15. Click Download RStudio.
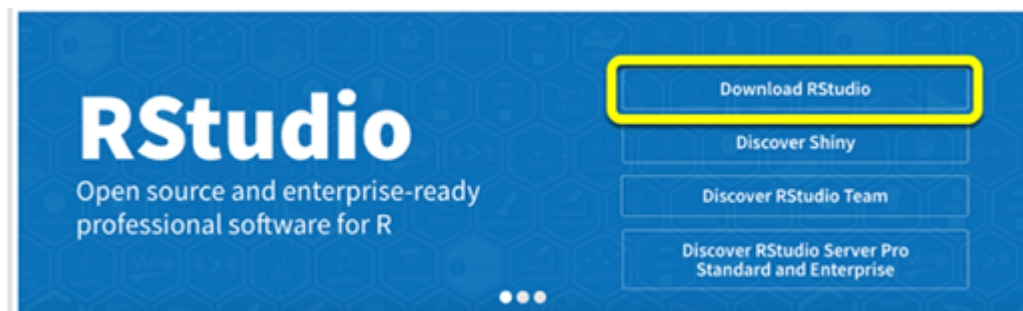
16. Click Download under RstudioDesktop-open source Liscense
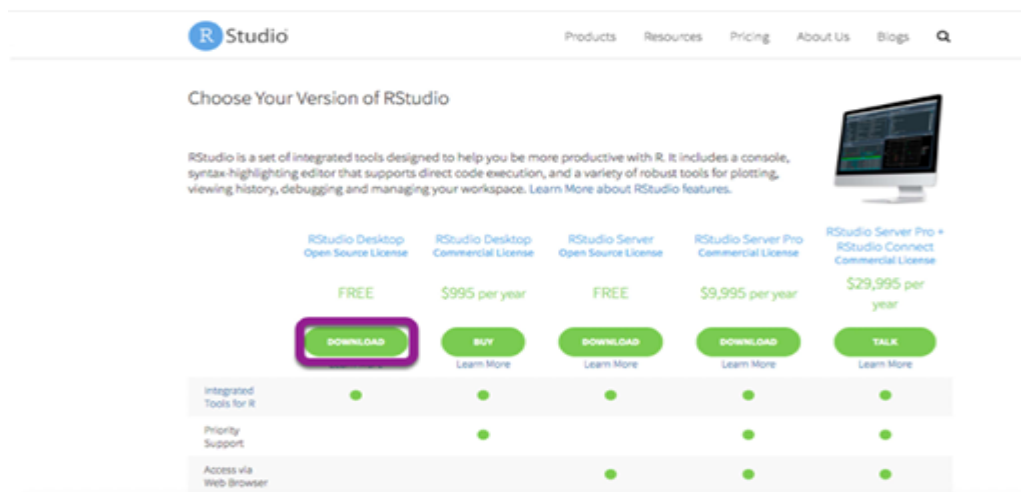
17. Click on the Operating system that you are working with.

18. The RStudio installation wizard will pop-up.
Click Next and go through the installation steps.

19. R and RStudio successfully Installed
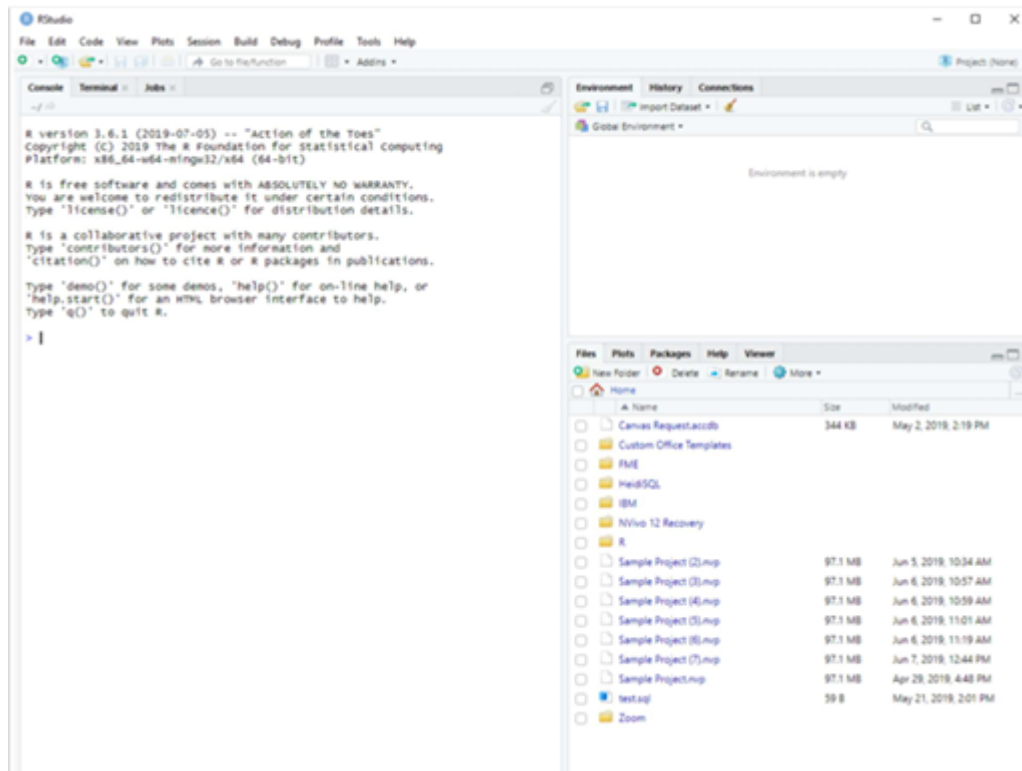
R-Studio

Default chapter 12

Installing R and R-Studio 2

Install R and R-Studio for Windows

Install R and R-Studio for Mac

Install From the User Interface

Applies to: Tableau Desktop, Tableau Prep, Tableau Public
The articles in this section describe how to install Tableau Desktop or Tableau Prep Builder from the user interface. Also included are instructions for installing Tableau Desktop Public Edition, which doesn't require activation.

For information about how to activate your product:
- From the command line, see Install From the Command Line
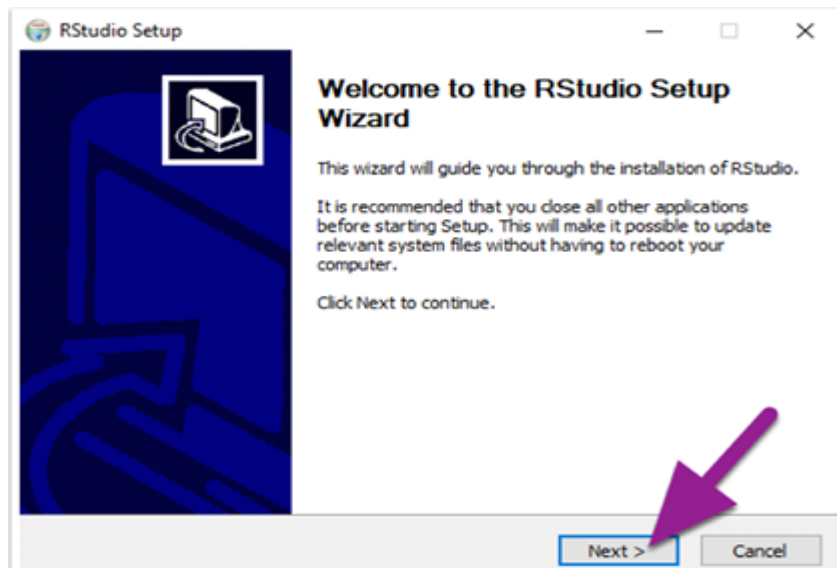- From the user interface, see Register and Activate from the User Interface (desktop_deploy_activate_license.htm)

Note: If you are upgrading, see Upgrade Tableau Desktop and Tableau Prep Builder (desktop deploy_upgrade.htm) for information about preparing for an upgrade.

During installation, Tableau configures default settings for your display language and repository location. If you want to change those settings you can do this after install is complete. Tableau also enables certain features for you by default such as usage reporting or automated product updates (Tableau Desktop only). For information about how to turn off these features and more, see Change Installation Settings after Installation

Before you begin

- **Installers:** For information about where to find and download the installers for

Tableau Desktop, Tableau Desktop Public Edition, Tableau Prep Builder, and Tableau Reader, see Where's the installer? (desktop_deploy_download.htm)
- **Compatibility with Server:** Tableau products are not always released at the same

time. When installing a new version Tableau Desktop, make sure it is compatible with Tableau Server. See Finding and Resolving Compatibility Issues (desktop_deploy_compatibility.htm).

- **Install Desktop and Prep on the same computer:** Tableau Prep Builder is designed

to work with Tableau Desktop. It is recommended that you install Tableau Prep Builder on the same computer as Tableau Desktop.
- **Do not install Tableau Prep Builder on the same computer running Tableau**

Server: Tableau Server Resource Manager (SRM) can't distinguish between Tableau Server protocol server process and Tableau Prep Builder protocol server process. If the computer resources are exhausted, SRM may terminate the protocol server process belonging to Tableau Prep Builder, which has no recovery mechanism.
- **Windows installer requirement:** If you're using a deployment tool that requires the

Windows installer (.msi file) to install Tableau Desktop or Tableau Prep Builder, follow the instructions in Extract and run the Windows (MSI) installer (desktop_deploy_automate.htm#tmsi) to extract the .msi file from the Tableau installer .exe file.

Install Tableau Desktop

1. As an Administrator, log in to the computer where you are installing Tableau Desktop.
2. Depending on your operating system, do one of the following:
    - For Windows: Run the installer and follow the prompts.
    - For Mac: Open the Disk image file (.DMG) and double-click the installer

package (.PKG) to start the installation.
Drivers for some data sources are installed automatically when you install Tableau Desktop. See **the Database drivers installed with Tableau Desktop and Tableau Prep Builder** section in the Before You Install (desktop_deploy_intro.htm) topic for specifics.
3. To enable or disable usage reporting complete the following steps for your operating

This option allows us to gather usage pattern data to improve the product. For more information about this option and how to turn it off after installation, see Turn off usage reporting (desktop deploy setting changes.htm#usage). For more information about the type of data we collect, see Tableau Product Usage Data
Windows
· To opt out of providing usage data, select the Don't send product usage data check box.
Mac
    - On the Installation Type step, in the bottom-left of the install wizard, click

Customize. To opt out of sending product usage data, select the Don't send product usage data check box.
4. (Optional) On Windows, to customize the install, on the Install welcome screen, click Customize and change any of the following options:

Windows

    - **Install location:** Specify a different location to install Tableau Desktop.

Important: If you specify a custom directory for the install location and plan to install future releases to this same location, you need to specify a version specific sub-folder to install to. Otherwise you will need to uninstall the previous version first. Side-by-side installs of multiple versions in the same sub-directory is not supported.

o **Create a desktop shortcut:** Clear the check box if you don't want to automatically create a desktop shortcut for Tableau.

o **Create a Start menu shortcut:** Clear the check box if you don't want to automatically add a shortcut for Tableau to the Start menu.

o **Check for Tableau product updates:** Clear the check box if you want to disable the product update feature. This feature checks for maintenance updates and installs them automatically. If you disable this option at install it also disables the menu option for users. For more information about the product update feature, see Control Product Updates for Tableau Desktop (desktop_deploy_product_updates_admin.htm).
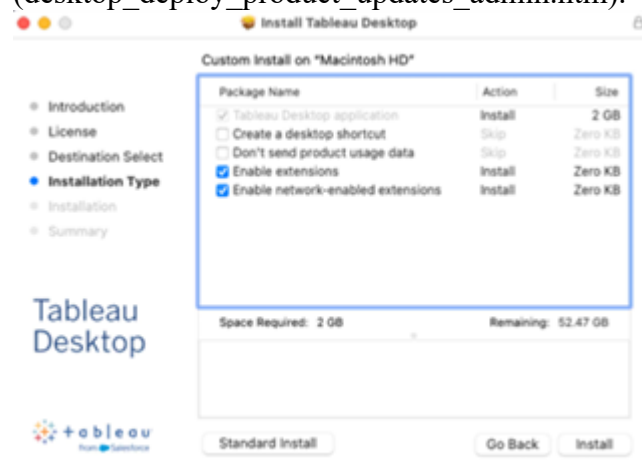
o **Create a desktop shortcut:** Select the check box to automatically create a desktop shortcut for Tableau Prep Builder.
o **Don't send product usage data** Select the check box to opt out of sending product usage data.
o **Enable extensions** Clear the check box to opt out of dashboard extensions to expand dashboard functionality with the help of web applications created by Tableau and third-party developers.
o **Enable network-enabled extensions** Clear the check box to opt out of network-enabled dashboard extensions. Network-enabled dashboard extensions are extensions that run on web servers that can be located inside or outside of your local network.
Note: Starting in version 2019.4.1, only the PostgreSQL driver is installed automatically on the Mac. If you need other database drivers, you can install them from the Driver Download
page.
5. **Click Install** to begin installation. If you run into any difficulties, see Troubleshoot

Your Tableau Desktop or Tableau Prep Builder Installation (desktop_deploy_troubleshoot.htm).
6. For Windows environments, if you selected to add a start menu or desktop shortcut, you can start the product from the Start menu or Desktop. To start the product from the executable, go to the install directory (the default is: C:\Program Files\Tableau\Tableau <version>\bin) and select tableau.exe.

Install Tableau Prep Builder

1. As an Administrator, log in to the computer where you are installing Tableau Prep Builder.
2. Depending on your operating system, do one of the following:
o For Windows: Run the installer and follow the prompts.
o For Mac: Open the Disk image file (.DMG), and then double-click the installer package (.PKG) to start the installation.
3. When prompted, accept the licensing agreement to continue the installation.
4. To enable or disable usage reporting complete the following steps for your operating system.

This option allows us to gather usage pattern data to improve the product. For more information about this option and how to turn it off after installation, see Turn off usage reporting (desktop deploy_setting_changes.htm#usage). For more information about the type of data we collect, see Tableau Product Usage Data
Windows

 - To opt out of providing usage data, select the Don't send product usage data

check box.
Mac

 - On the Installation Type step, in the bottom-left of the install wizard, click

Customize. To opt out of sending product usage data, select the Don't send product usage data check box.

5. (Optional) To customize the **install,** on the Install welcome screen for Windows or on the **Installation Type** step for the Mac, click **Customize** and change any of the following options:

Windows

Install location: Specify a different location to install Tableau Prep Builder.
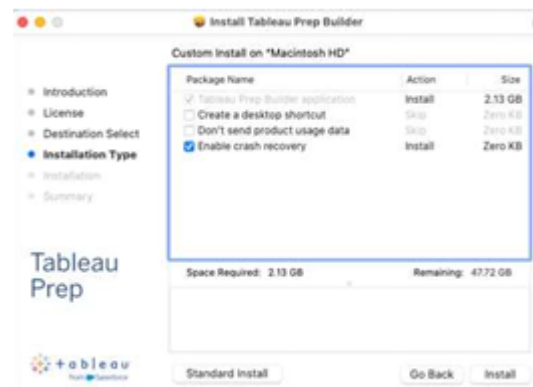o **Create a desktop shortcut:** Clear the check box if you don't want to automatically create a desktop shortcut for Tableau Prep Builder.
o **Create a Start menu shortcut:** Clear the check box if you don't want to automatically add a shortcut for Tableau Prep Builder to the Start menu
o **Enable error reporting : If** Tableau Prep Builder has a problem and shuts down unexpectedly, crash dump files and logs are generated and placed in **your My Tableau Prep Builder Repository > Logs and My Tableau Prep Builder Repository > Logs > crashdumps** files.

To turn off this option during install, clear this check box during install. To turn this option off after installation see Turn off error reporting .
Important:Tableau Prep Builder is only available in 64-bit and If you already have 32-bit drivers installed, you'll need to install the 64-bit version of those drivers to connect to your data with Tableau Prep Builder.

o **Create a desktop shortcut:** Select the check box to automatically create a desktop shortcut for Tableau Prep Builder.
o **Don't send product usage data** Select the check box to opt out of sending product usage data.

Enable crash recovery (version 2020.3.3 and later): Clear the check box to turn off file recovery. In the event of a crash, flow files won't automatically be saved. For more information about managing this option post-install, see Turn off file recovery (desktop_deploy_setting_changes.htm#autosave_off).
6. Click **Install** to begin the product installation.

7. For Windows environments, if you selected to add a start menu or desktop shortcut, you can start the product from the Start menu or Desktop. To start the product from the executable, go to the install directory (the default is: C:\Program Files\Tableau\Tableau Prep Builder<version> and select Tableau Prep Builder.exe.

Install Tableau Desktop Public Edition

1. As an Administrator, log in to the computer where you are installing Tableau Desktop Public Edition.
2. Depending on your operating system, do one of the following:
o **For Windows:** Run the installer and follow the prompts.
o **For Mac:** Open the Disk image file (.DMG), and then double-click the installer

package (.PKG) to start the installation.

3. On the Welcome screen, ensure that the product is the Tableau Desktop Public Edition and accept the licensing agreement to continue the installation.

4. To enable or disable usage reporting complete the following steps for your operating system.

This option allows us to gather usage pattern data to improve the product. For more information about this option and how to turn it off after installation, see Turn off usage reporting (desktop_deploy_setting_changes htm#usage). For more information about the type of data we collect, see Tableau Product Usage Data

Windows

To opt out of providing usage data, select the Don't send product usage data check box.

Mac

On the **Installation Type** step, in the bottom-left of the install wizard, click **Customize**. To opt out of sending product usage data, select the Don't send product usage data check box.

5. (Optional) To customize the install, on the **Install** welcome screen for Windows or on the **Installation Type** step for the Mac, click **Customize** and change any of the following options:

Windows

Install location: Specify a different location to install Tableau Prep Builder.

o Create desktop shortcut: Clear the check box if you don't want to automatically create a desktop shortcut for Tableau Desktop Public Edition.

o Create Start menu shortcut: Clear the check box if you don't want to automatically create a Start menu shorteut for Tableau Desktop Public Edition.
o Check for Tableau product updates: Clear the check box if you want to disable the product update feature. This feature checks for maintenance updates and installs them automatically. If you disable this option at install it also disables the menu option for users.
Mac
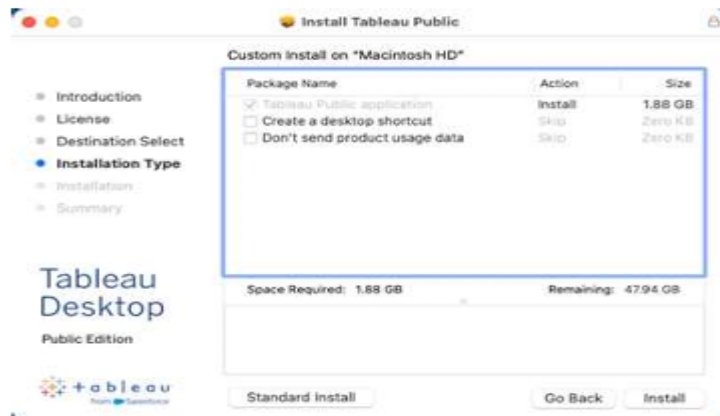
o Create a desktop shortcut: Select the check box to automatically create a desktop shortcut for Tableau Prep Builder.
o Don't send product usage data Select the check box to opt out of sending product usage data.
6. Click **Install** to begin the product installation.

Other articles in this section

- Register and Activate from the User Interface

(desktop_deploy_activate_Jicense.htm).
- Using the User Interface Uninstaller (desktop_deploy_uninstall_ui.htm)

Home > Blog > Power BI >

How to Download and Install Power BI Desktop

Start using PowerBI Desktop. This post will walk you through the detailed steps of downloading and installing the Microsoft PowerBI Desktop on windows.

Rating: 4.6 ★★★★★   👁 4100

GET TRAINED AND CERTIFIED

In this article, we will guide you on how to download and install Microsoft Power BI Desktop in Windows OS in simple & easy steps.

Before we are proceeding to download the Power BI desktop, you must be aware of the following system requirements.

The following are the minimum requirements for installing Power BI Desktop:

- Microsoft Power BI Desktop supports - Windows 7, Windows 8, Windows 8.1, Windows Server 2008 R2, Windows 10, Windows Server 2012, Windows Server 2012 R2.
- Supports both 64-bit(x64) and 32-bit(x86) platforms.
- Requires Internet Explorer10 or a new version of IE(Internet Explorer).
- Requires .Net Framework 4.5.
- Our CPU must have at least 1 gigahertz(GHz) speed.

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**How to Download Power BI Desktop - Step-by-Step Guide**

Step 1. To download the Power BI Desktop application, first, go to the Official Power BI Website. The following image shows you a download page from the official website and **a**lso the Download or Language Options.

Report authoring made easy

Step 2. Once you dick the Download or Language Options, you will notice the following dropdown box.
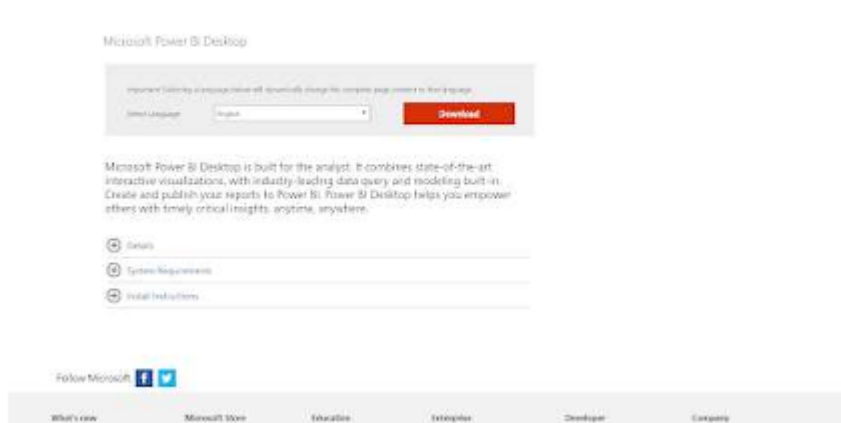
Step 3. Next, you can select any one of the languages as per your need in the dropdown box.

Preparing for **Microsoft Power BI Interview**? Here's Frequently Asked **Microsoft Power BI Interview Questions**

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Step 4. Once a language is selected, it will dynamically change the content to that language. Please click the Download button.
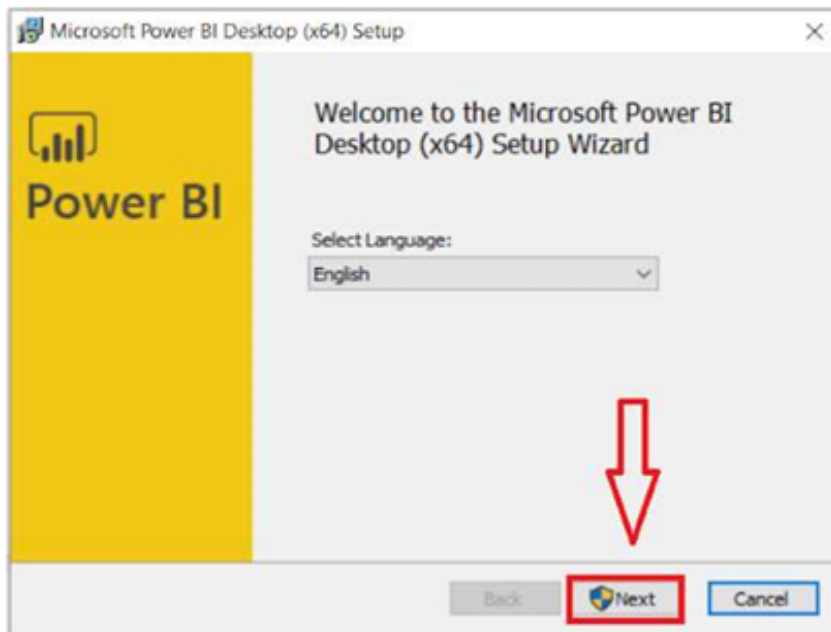
Step 6. The **Next button** will be enabled once you select either of the **FileNames**. Now, Click the **Next button** to download it on your device.
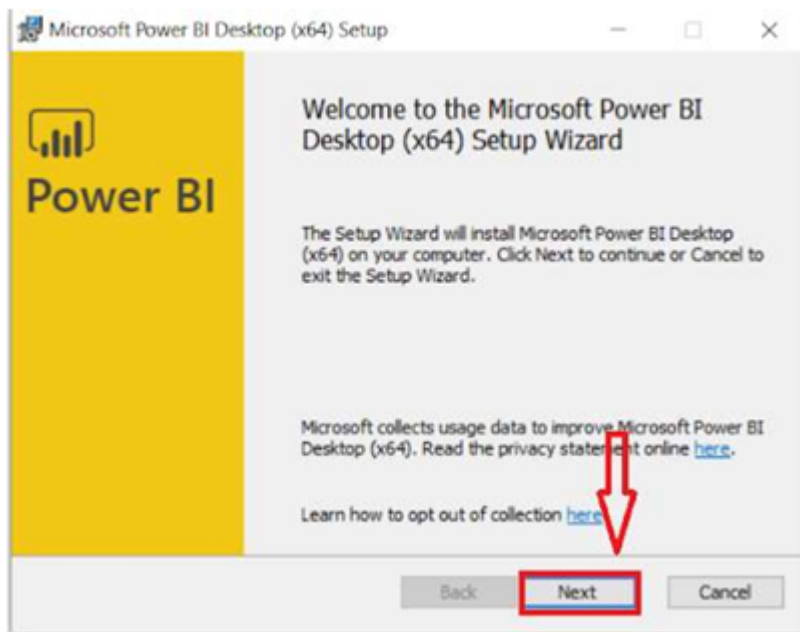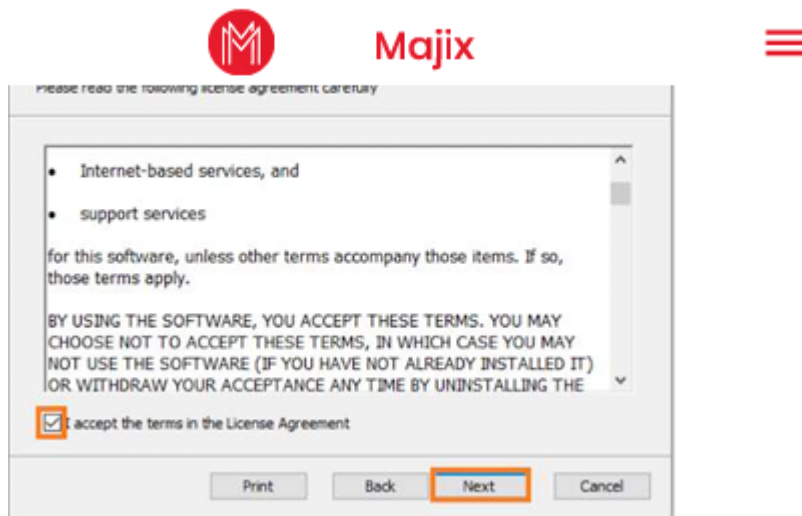
Step 8. Once you click the Next button, you will be asked to click the Next button to continue or the Cancel button to exit in the dialog box.

Step 9. The license agreement dialog box is displayed once you click the Next button. Now the Next button will be enabled after you click the checkbox.

Step 10. Click the Next button to open the Destination folder. The folder allows you to either leave the default C location or use the Change button to alter your desired location for installing Power BI Desktop Application in your device.
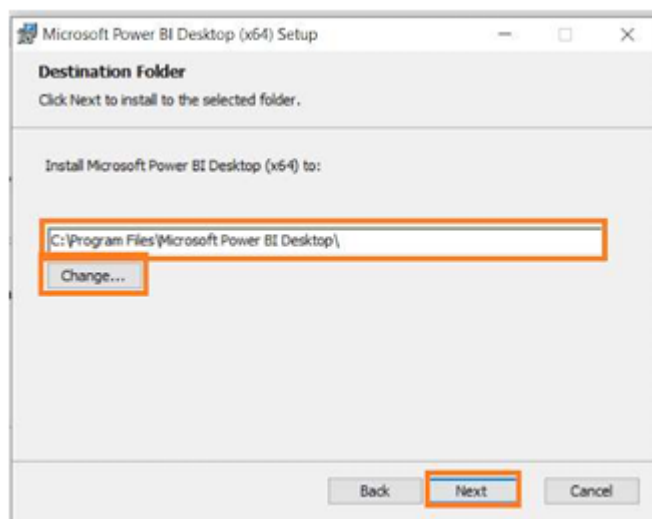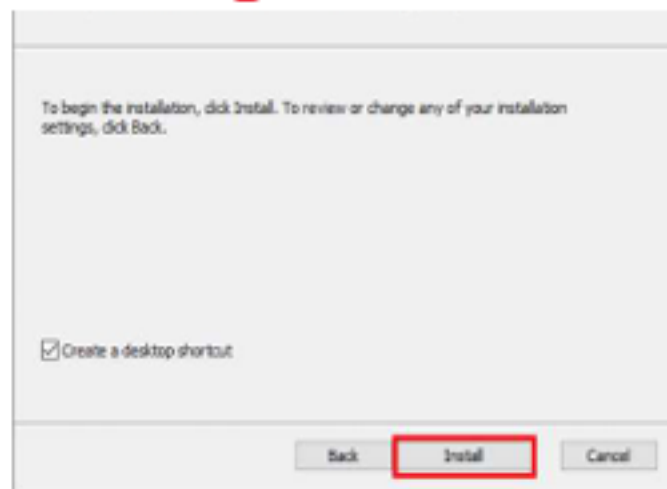

Step 11. Please, click the Next button to give you the following alternatives.
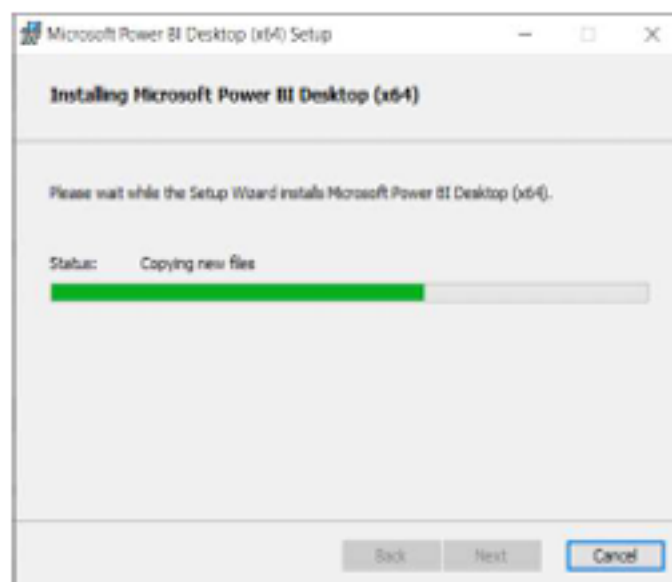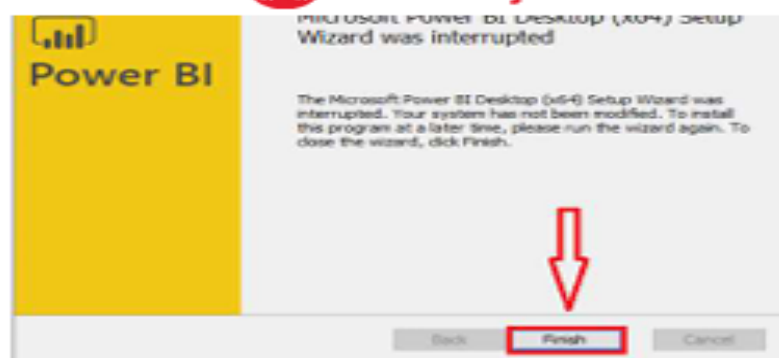
Also Read Power BI Gateway

Step 12. Are you ready to Install? If, yes click the Install button (or) Do you want to review or change any of the installation settings? If yes, click Back Button. Next, click the Install button for installation.
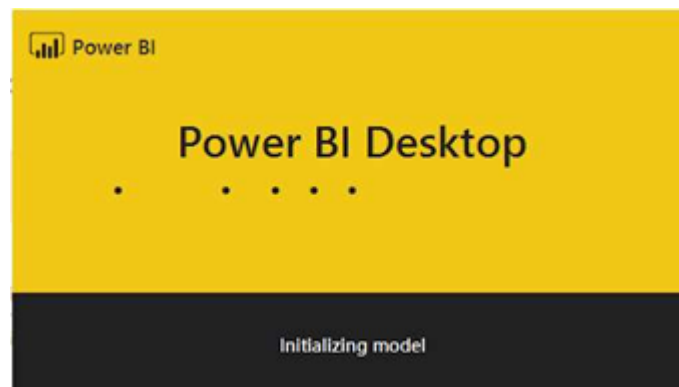
To begin the installation, dick Install. To review or change any of your installation settings, click Back.

☑ Create a desktop shortcut

| Back | Install | Cancel |

Step 13. Please, wait until the installation is finished.

Microsoft Power BI Desktop (x64) Setup

Installing Microsoft Power BI Desktop (x64)

Please wait while the Setup Wizard installs Microsoft Power BI Desktop (x64).

Status: Copying new files

| Back | Next | Cancel |

Step 14. Click the **Finish button** to initialize the process.

Power BI

Microsoft Power BI Desktop (x64) Setup Wizard was interrupted

The Microsoft Power BI Desktop (x64) Setup Wizard was interrupted. Your system has not been modified. To install this program at a later time, please run the wizard again. To close the wizard, click Finish.

| Back | Finish | Cancel |

Step 15:Please, wait for a few seconds to start power BI Desktop.

Step 16: Here you can see the installed Power BI Desktop page.
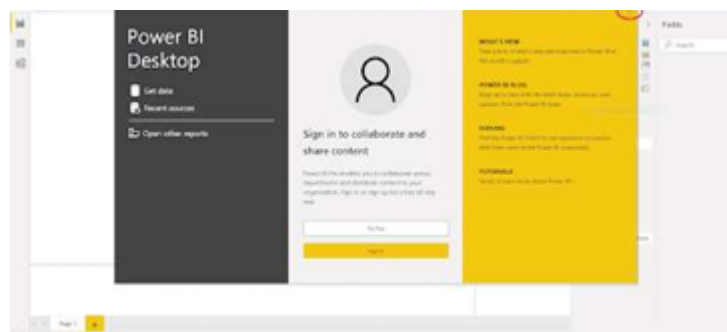
- That's it. Power BI Desktop is now ready for analytics or report development! From there, you can begin creating data models or interactive reports.
- When Power Bl is installed, it generates a welcome screen.
- This screen is used to launch different options related to getting data, enriching the existing data models, creating reports as well as publishing and sharing reports.
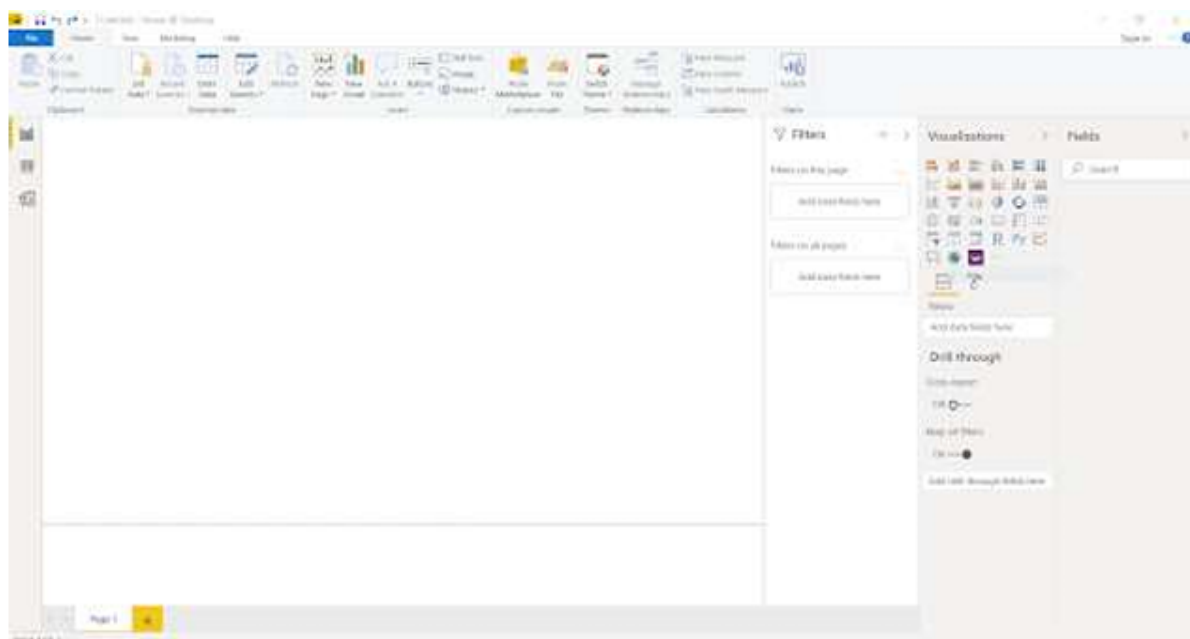
So, this was all about installing a Microsoft product Power BI Desktop. Hope you like our explanation.

Final words

Hence, in this guide, we saw how easy it is to install the Power BI Desktop on your omputer. It does not take more than 5 minutes in the best case.

Result: