**Instructions to set up DSN for using RODBC package in R**  
Estimated Time Needed: 5-10 minutes

1. **Install R and RStudio locally on your Windows or Mac computer**  
   Install R from any of these mirrors: <https://cran.r-project.org/mirrors.html>   
   Install RStudio Desktop: <https://www.rstudio.com/products/rstudio/download2/#download>
2. **Create a System DSN or User DSN for an Access db file using the ODBC Manager**  
   To follow along with the R portion of this lecture, you will need to set up RStudio locally. In the R tutorials, the first step we will perform will be to connect to a database using RODBC package in R. A prerequisite to do that is to create a DSN (Data Source Name) in your local Windows or Mac environment. This document provides a step-by-step guide on how to create a DSN.

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| **Windows Machine** |
| [Download AdventureWorks\_TRIMMED.accdb](https://library.startlearninglabs.uw.edu/DATAAVS210/AdventureWorks_TRIMMED.accdb) and save it on your **Desktop** - do not try to open the file just yet. You will need to be logged into to canvas already OR use your credentials to log in now   1. Press Windows button + R to open the run menu 2. Type in this file path and click “OK”: c:\windows\sysWOW64\odbcad32.exe 3. You will see the 32-bit version of the ODBC Data Sources Manager 4. Click on the “System DSN” tab, and then click on “Add” 5. Select “Microsoft Access Database (\*.mdb, \*.accdb)” and click “Finish”. There will be many drivers available and you will need to scroll and find this exact one 6. Enter the following details and click on “Select” **Data Source Name:** AdventureWorks 7. A little pop-up will open. Navigate to your Desktop location on the right hand side of the pop-up. As soon as you have navigated to the Desktop, you will see “AdventureWorks\_TRIMMED.accdb” populate on the left hand side. You will click on it to select it and then click “OK”. 8. You are all set now. You should see a database called AdventureWorks now populated in the list of System DSN |

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| **Mac Machine** |
| 1. Download and install the [Actual ODBC Pack (for Mac OS X)](http://www.actualtech.com/download.php) 2. [Download AdventureWorks\_TRIMMED.accdb](https://library.startlearninglabs.uw.edu/DATAAVS210/AdventureWorks_TRIMMED.accdb) and save it on your **Desktop** - do not try to open the file just yet. You will need to be logged into to canvas already OR use your credentials to log in now 3. Once the installation is complete, run the “ODBC Manager”. You can find it from the Spotlight Search 4. Go to the “System DSN” tab and click on “Add” 5. In the selection menu that opens up, select “Actual Access” and click “OK” 6. Click Continue 7. Enter “AdventureWorks” for Data source name and click on “Choose”. Navigate to your Desktop and select the “AdventureWorks\_TRIMMED.accdb” file 8. Follow the “Continue” prompt till the end - there is no need to provide any new information/parameters or change any selections 9. Once successful, you will see AdventureWorks listed in the System DSN list |