

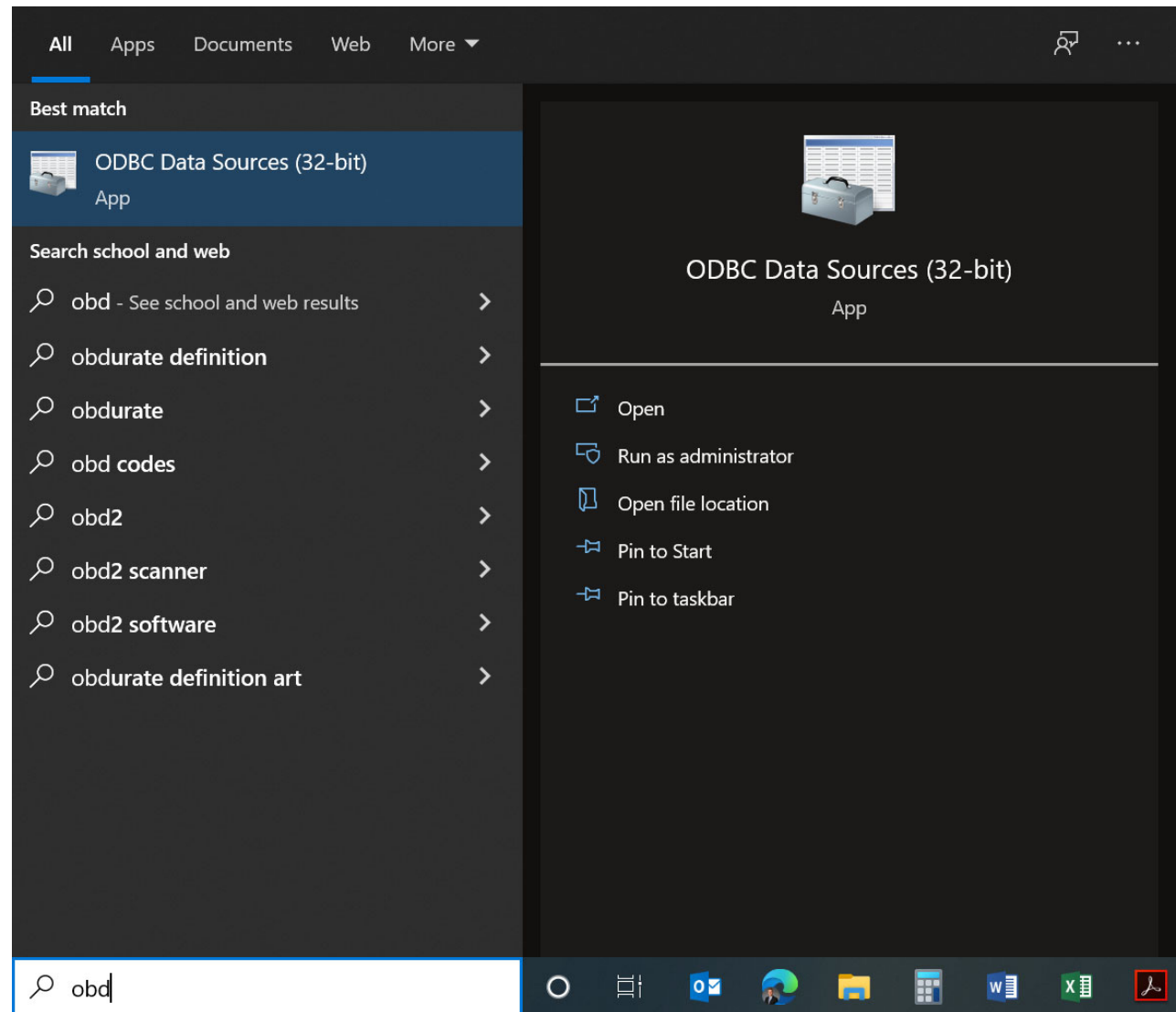
# Setting up a connection to a HistoTrac SQL server on a windows computer

Nicholas Brown, PhD, F(ACHI)

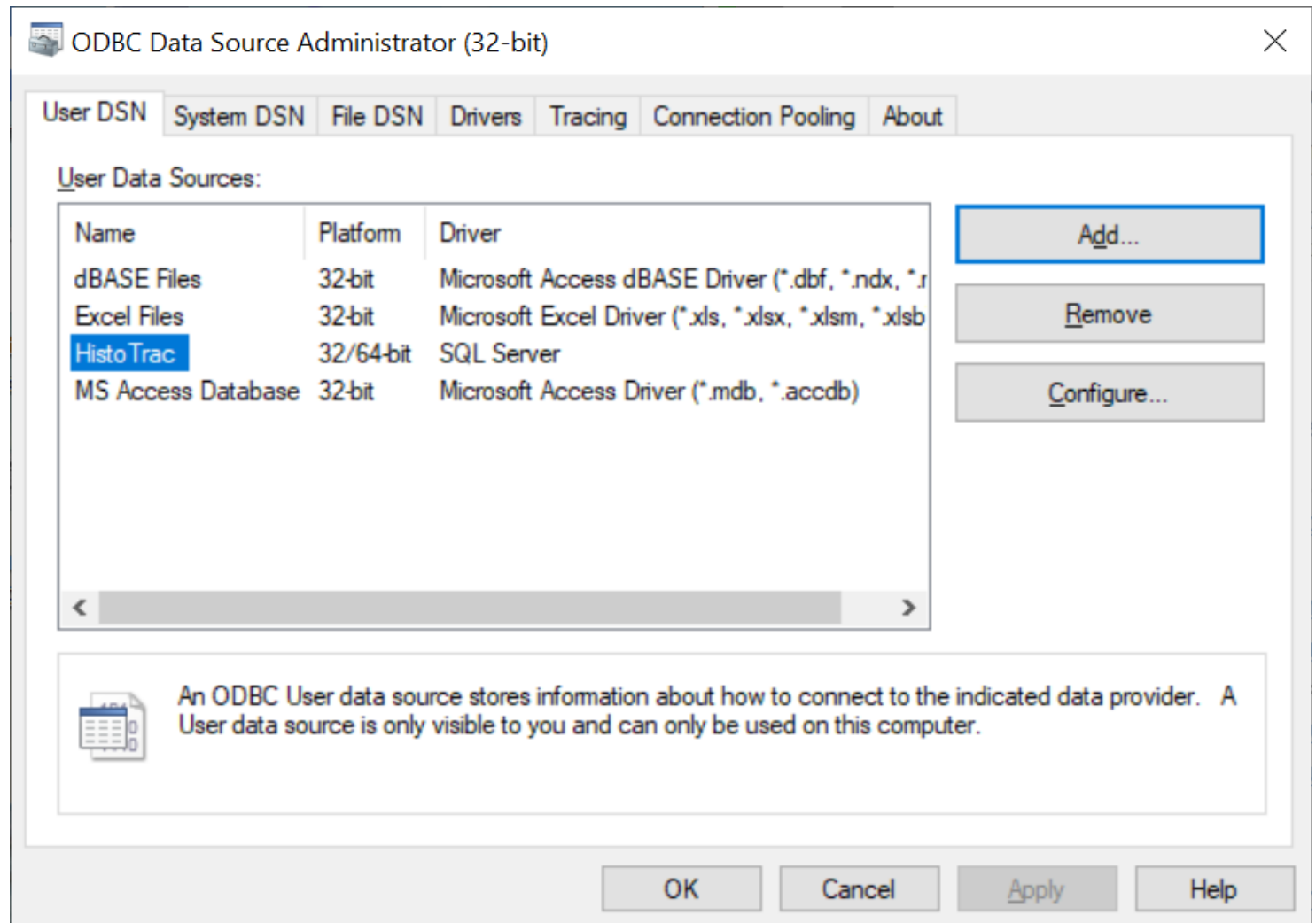
University of Pennsylvania

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Type “ODBC” into Windows search bar to find and open the “ODBC Data Sources (32-bit)” application

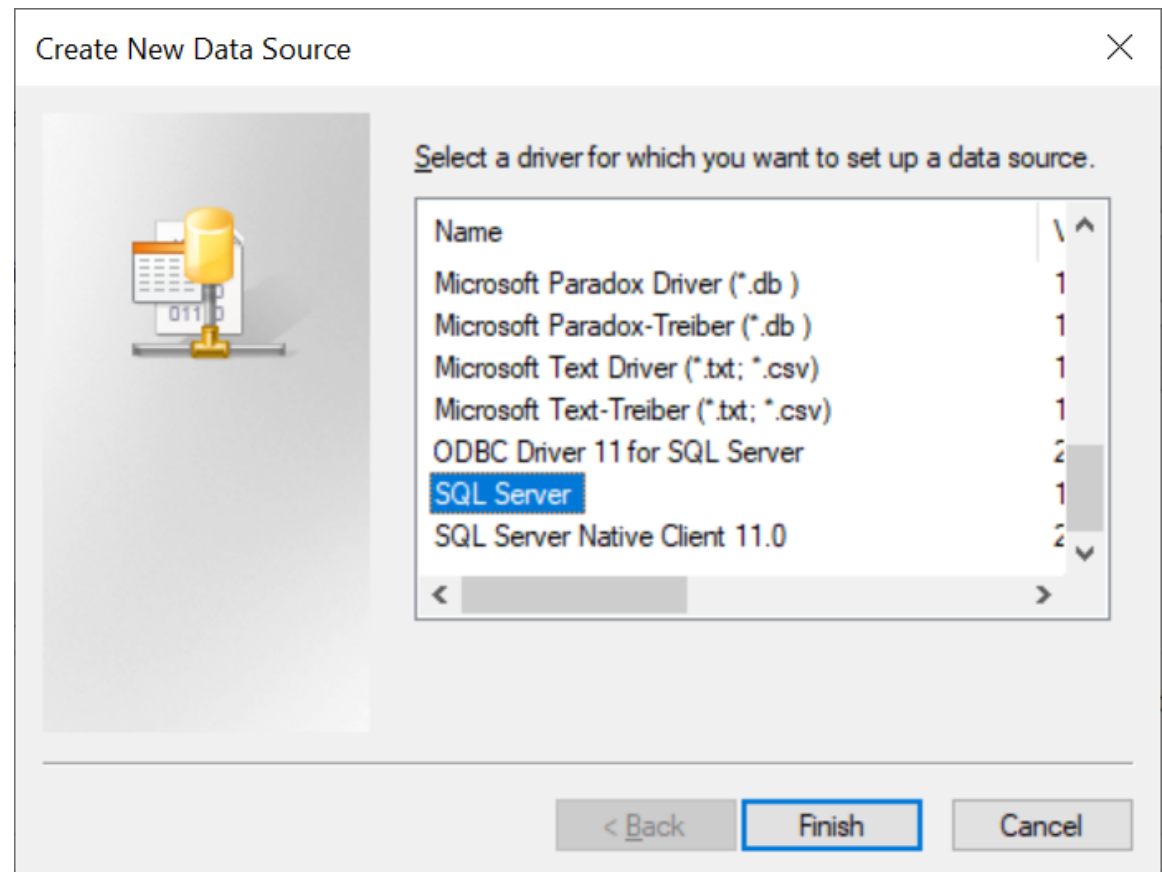


Click on "Add"



## Choose “SQL Server”


Note: this step is essentially choosing a driver for your connection. While other drivers may work for your HistoTrac server, and you might be told by your IT department to choose a different driver, I strongly suggest choosing “SQL Server,” as the R code is written to deal with the peculiarities of this driver. If you choose a different driver, you may have to re-write some of the R code.



Give it a name of "HistoTrac." I strongly suggest giving it the name "HistoTrac." If you give it a different name, you will have to change several lines of code in R to get it to work. If you give it the name of "HistoTrac" now, you will save yourself lots of hassle.

You will have to supply the name of your server.

Microsoft SQL Server DSN Configuration



This wizard will help you create an ODBC data source that you can use to connect to SQL Server.

What name do you want to use to refer to the data source?

Name:

How do you want to describe the data source?

Description:

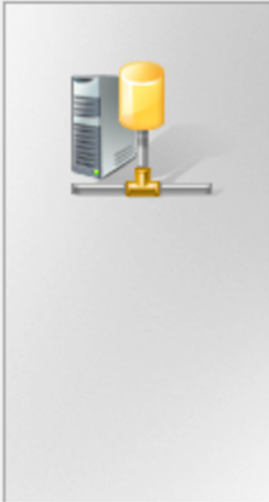
Which SQL Server do you want to connect to?

Server:

Finish Next > Cancel Help

This may be different for your setup

Microsoft SQL Server DSN Configuration



How should SQL Server verify the authenticity of the login ID?

☒ With Windows NT authentication using the network login ID.

☐ With SQL Server authentication using a login ID and password entered by the user.

To change the network library used to communicate with SQL Server, click Client Configuration.

Client Configuration...

☒ Connect to SQL Server to obtain default settings for the additional configuration options.


Login ID:

Password:

< Back Next > Cancel Help

If it doesn't come up like in the picture here, you may want to check the "change the default database to:" checkbox and select HistotracProd, or whatever you production server is.

Microsoft SQL Server DSN Configuration



☐ Change the default database to:  
HistotracProd

☐ Attach database filename:

☒ Use ANSI quoted identifiers.


☒ Use ANSI nulls, paddings and warnings.

☐ Use the failover SQL Server if the primary SQL Server is not available.

< Back   Next >   Cancel   Help

Defaults should be fine

Microsoft SQL Server DSN Configuration

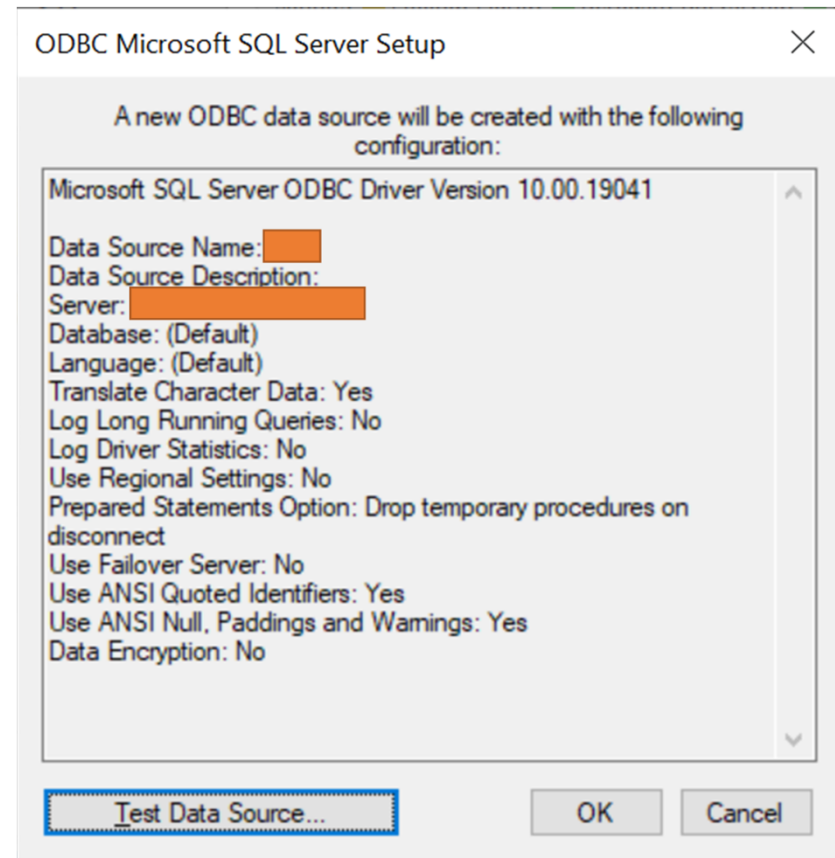


- ☐ Change the language of SQL Server system messages to:  
English
- ☐ Use strong encryption for data
- ☒ Perform translation for character data
- ☐ Use regional settings when outputting currency, numbers, dates and times.
- ☐ Save long running queries to the log file:  
Browse...
- Long query time (milliseconds): 30000
- ☐ Log ODBC driver statistics to the log file:  
Browse...

< Back Finish Cancel Help



The last step. Double-check everything.



You should now have a connection to your HistoTrac server from this computer. Open Rstudio on the same computer and you should be able to extract data.

