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Today we are learning:

- SAS libraries
- Reading data from external files
- txt and csv
- Datalines
- SET statement
- PROC Print
- PROC Freq
- PROC Means

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SAS libraries

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SAS libraries

- LIBNAME statement assigns a libref
- Libref (short for "Library Reference") is an alias or nickname for a directory or folder for **SAS datasets**

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- LIBNAME statement assigns a libref
- Libref (short for "Library Reference") is an alias or nickname for a directory or folder for **SAS datasets**
- Dataset references contain two parts:
 - libref
- dataset-name
- Looks like: libref.dataset-name
- If libref is blank, the default is the Work library

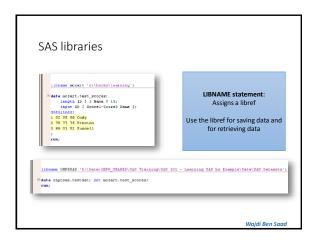
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SAS work library

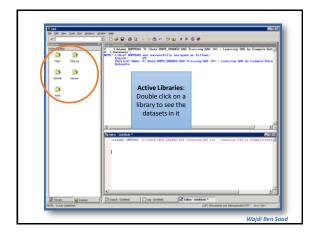
- Work is a temporary library
- SAS datasets created in Work only exist during SAS session
- Once SAS session ends, datasets are erased
- Do not need to assign a libref for Work or specify it in dataset references

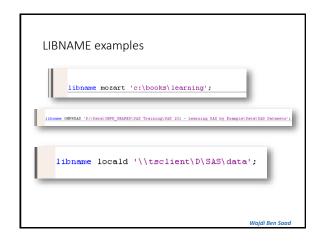
data Test_Scores;
is the same as
data work.Test_Scores;

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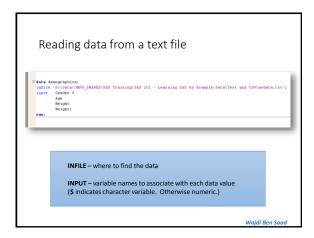


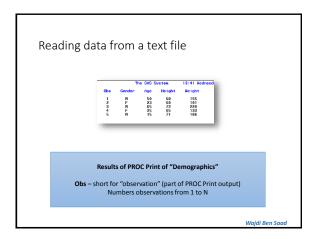


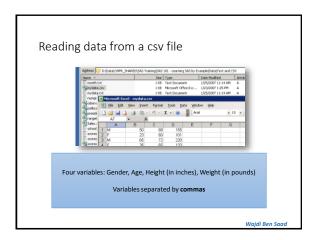


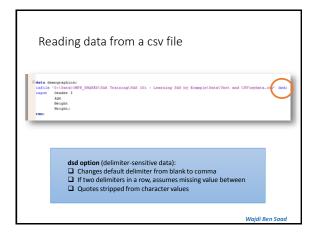


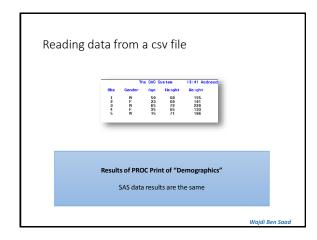
Reading external data











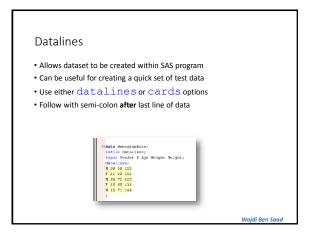
Other delimiters

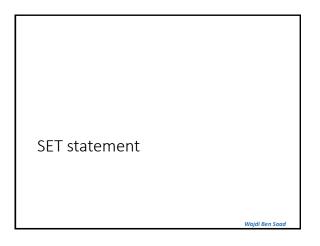
• dlm= (or delimiter=) option to specify data delimiters other than blanks or commas

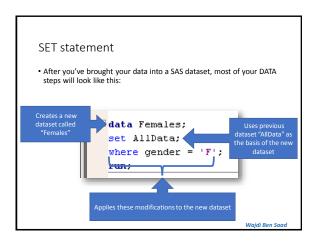
• Example: infile 'D:\Data\mydata.txt' dlm=':';

• dsd and dlm= options together

• Performs all functions of dsd, but overrides default delimiter







SET statement

The SET statement is similar to an INPUT statement

Except instead of a raw data file, you are reading observations from a SAS dataset

Can read in temporary or permanent SAS datasets

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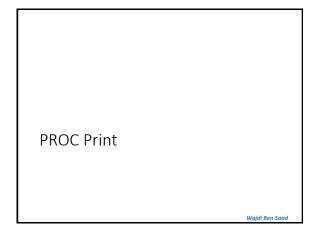
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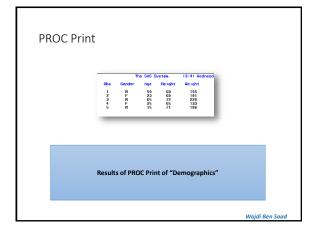
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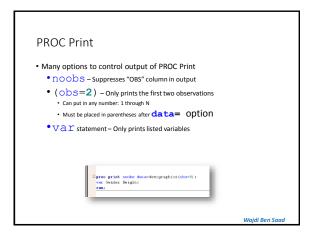
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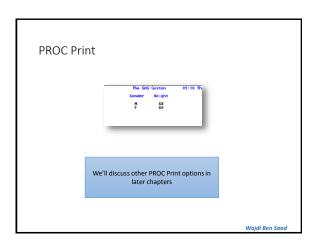
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PROC Freq

