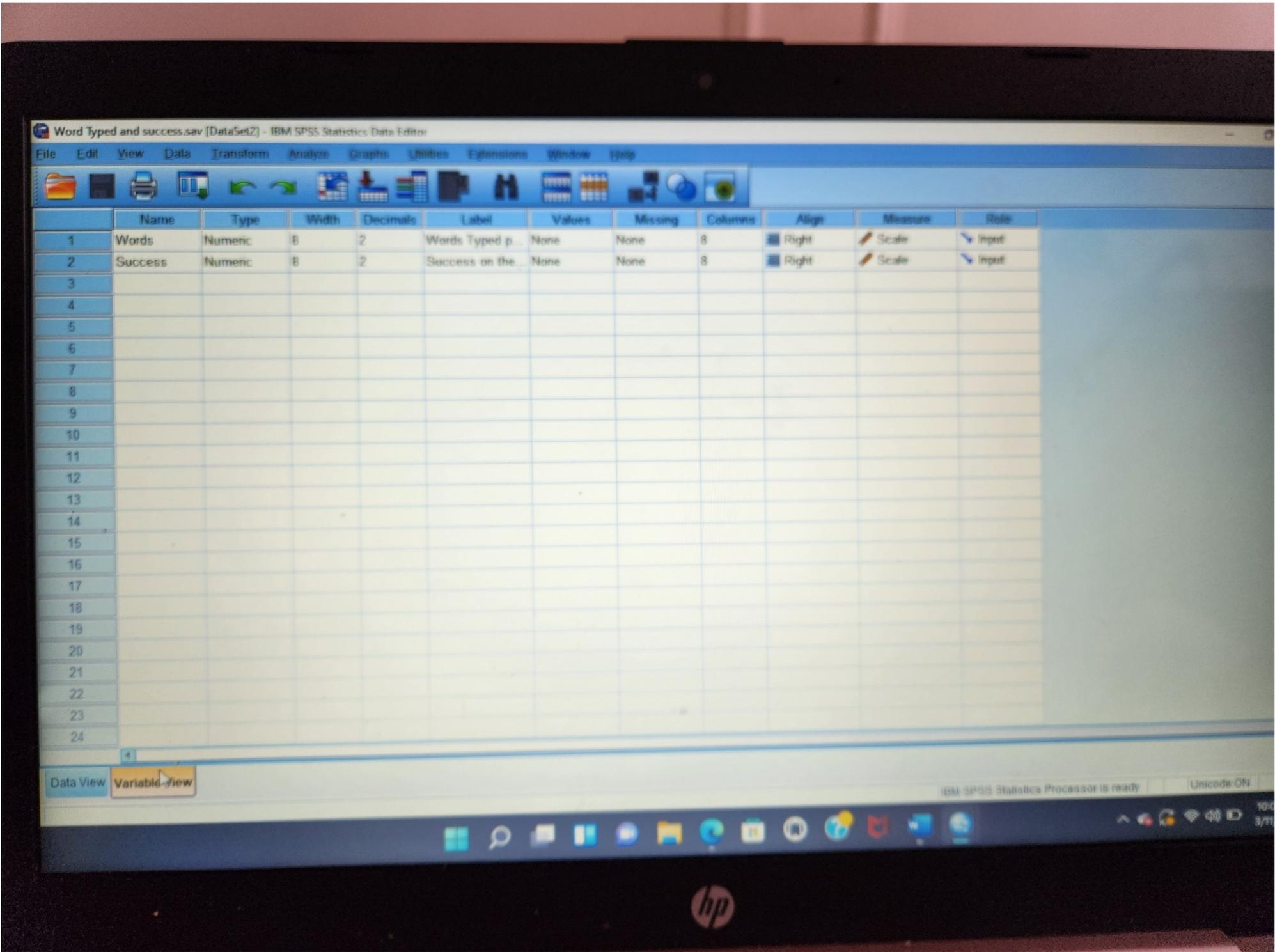Carlina E. Lahoz- Ogando
EDG500 Educational Research and Statistics
Professor Bennett Schephen
February 18, 2023
Chapter 9 Excersise

Edit   View   Data   Transform   Analyze   Graphs   Utilities   Extensions   Window   Help

Visible: 2 of 2 Variables

	Words	Success	var	var	var	var	var	var	var	var	var	var	var	var	var	var
1	30.00	1.00														
2	44.00	3.00														
3	60.00	7.00														
4	65.00	9.00														
5	50.00	8.00														
6	55.00	4.00														
7	53.00	3.00														
8	44.00	4.00														
9	35.00	2.00														
10	31.00	4.00														
11	44.00	5.00														
12	53.00	6.00														
13	61.00	9.00														
14	40.00	4.00														
15	52.00	6.00														
16	53.00	5.00														
17	50.00	8.00														
18	33.00	4.00														
19	52.00	7.00														
20	45.00	5.00														
21																
22																
23																

Data View   Variable View

IBM SPSS Statistics Processor is ready   Unicode:ON

10:03 AM
3/11/2023

File   Edit   View   Data   Transform   Analyze   Graphs   Utilities   Extensions   Window   Help

	Words	Success			Visible: 2 of 2 Variables		var	var
1	30.00	1.00						
2	44.00	3.00						
3	60.00	7.00						
4	65.00	9.00						
5	50.00	8.00						
6	55.00	4.00						
7	53.00	3.00						
8	44.00	4.00						
9	35.00	2.00						
10	31.00	4.00						
11	44.00	5.00						
12	53.00	6.00						
13	61.00	9.00						
14	40.00	4.00						
15	52.00	6.00						
16	53.00	5.00						
17	50.00	8.00						
18	33.00	4.00						
19	52.00	7.00						
20	45.00	5.00						
21								
22								
23								

Data View   Variable View

Chart Builder

Variables: Chart preview uses example data

Words Typed per Mi...
Success on the Job ...
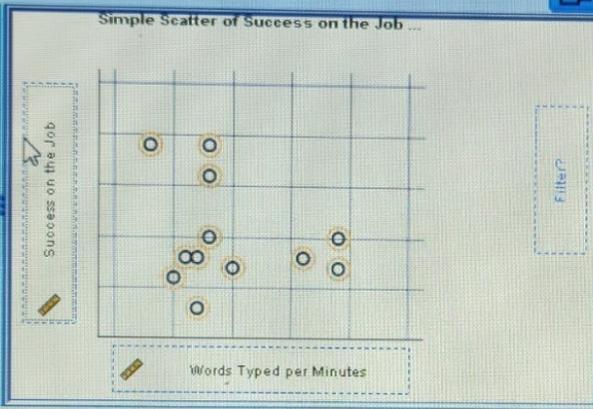
Simple Scatter of Words Typed per Mi...

No categories (scale variable)

Words Typed per Minutes
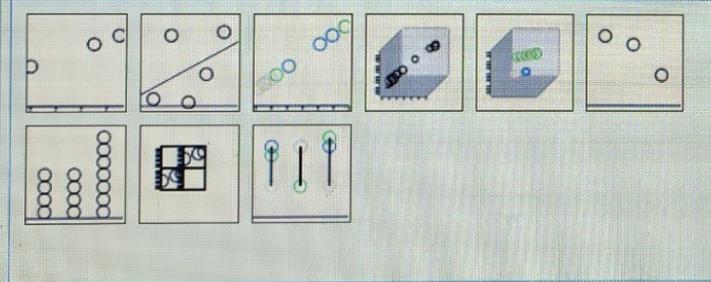
Gallery   Basic Elements   Groups/Point ID   Titles/Footnotes

Choose from:
Favorites
Bar
Line
Area
Pie/Polar
Scatter/Dot
Histogram
High-Low
Boxplot
Dual Axes

OK   Paste   Reset   Cancel   Help

Element Properties   Chart Appearance   Options

Edit Properties of:
Point1
X-Axis1 (Point1)
Y-Axis1 (Point1)
Title 1

Statistics
Variable:
Statistic:
Value

Set Parameters

Display error bars
Error Bars Represent
Confidence intervals
Level (%): 95
Standard error
Multiplier: 2
Standard deviation
Multiplier: 2

Stack identical values
Display vertical drop lines between points

Linear Fit Lines
Total   Subgroups

Unicode:ON

10:04 AM
3/11/2023

File   Edit   View   Data   Transform   Analyze   Graphs   Utilities   Extensions   Window   Help

Visible: 2 of 2 Variables

	Words	Success			var	var
1	30.00	1.00				
2	44.00	3.00				
3	60.00	7.00				
4	65.00	9.00				
5	50.00	8.00				
6	55.00	4.00				
7	53.00	3.00				
8	44.00	4.00				
9	35.00	2.00				
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11	44.00	5.00				
12	53.00	6.00				
13	61.00	9.00				
14	40.00	4.00				
15	52.00	6.00				
16	53.00	5.00				
17	50.00	8.00				
18	33.00	4.00				
19	52.00	7.00				
20	45.00	5.00				
21						
22						
23						

Data View   Variable View

Chart Builder   ✕

Variables: Chart preview uses example data

Words Typed per Mi...   Simple Scatter of Success on the Job ...
Success on the Job ...

No categories (scale
variable)

Element Properties   Chart Appearance   Options

Edit Properties of:
Point1
X-Axis1 (Point1)
Y-Axis1 (Point1)
Title 1

Statistics
Variable: Success on the Job
Statistic:
Value

Set Parameters...

☐ Display error bars

Error Bars Represent
⦿ Confidence intervals
   Level (%): 95
○ Standard error
   Multiplier: 2
○ Standard deviation
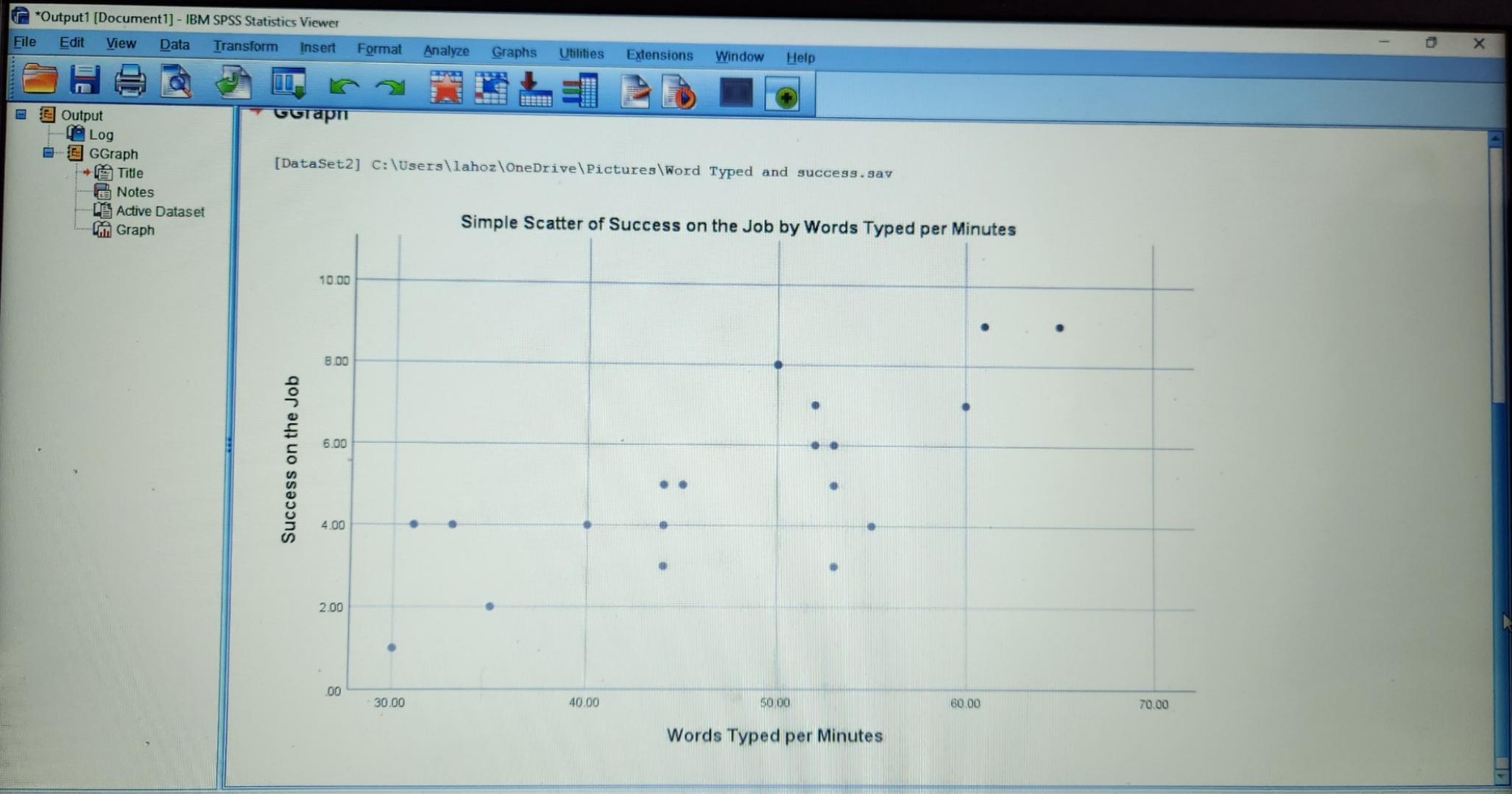   Multiplier: 2

☐ Stack identical values
☐ Display vertical drop lines between points

Linear Fit Lines
☐ Total   ☐ Subgroups

Gallery   Basic Elements   Groups/Point ID   Titles/Footnotes

Choose from:
Favorites
Bar
Line
Area
Pie/Polar
Scatter/Dot
Histogram
High-Low
Boxplot
Dual Axes

OK   Paste   Reset   Cancel   Help

Unicode:ON

10:05 AM
3/11/2023

File   Edit   View   Data   Transform   Insert   Format   Analyze   Graphs   Utilities   Extensions   Window   Help

GGraph

[DataSet2] C:\Users\lahoz\OneDrive\Pictures\Word Typed and success.sav

Simple Scatter of Success on the Job by Words Typed per Minutes

IBM SPSS Statistics Processor is ready   Unicode:ON

GGraph

Notes

Output Created		18-FEB-2023 15:05:52
Comments		
In	Data	C:\Users\lahoz\OneDrive\Documents\Word Typed and success.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Workingput Data File	20

Syntax		GGRAPH
		/GRAPHDATASET NAME="graphdataset" VARIABLES=Words Success MISSING=LISTWISE REPORTMISSING=NO
		/GRAPHSPEC SOURCE=INLINE
		/FITLINE TOTAL=NO.
		BEGIN GPL
		SOURCE: s=userSource(id("graphdataset"))
		DATA: Words=col(source(s), name("Words"))
		DATA: Success=col(source(s), name("Success"))
		GUIDE: axis(dim(1), label("Words Typed per Minutes"))
		GUIDE: axis(dim(2), label("Success on the Job"))
		GUIDE: text.title(label("Simple Scatter of Success on the Job by Words Typed per Minutes"))
		ELEMENT: point(position(Words*Success))
		END GPL.
Resources	Processor Time	00:00:02.17
	Elapsed Time	00:00:02.37

[DataSet1] C:\Users\lahoz\OneDrive\Documents\Word Typed and success.sav

Simple Scatter of Success on the Job by Words Typed per Minutes
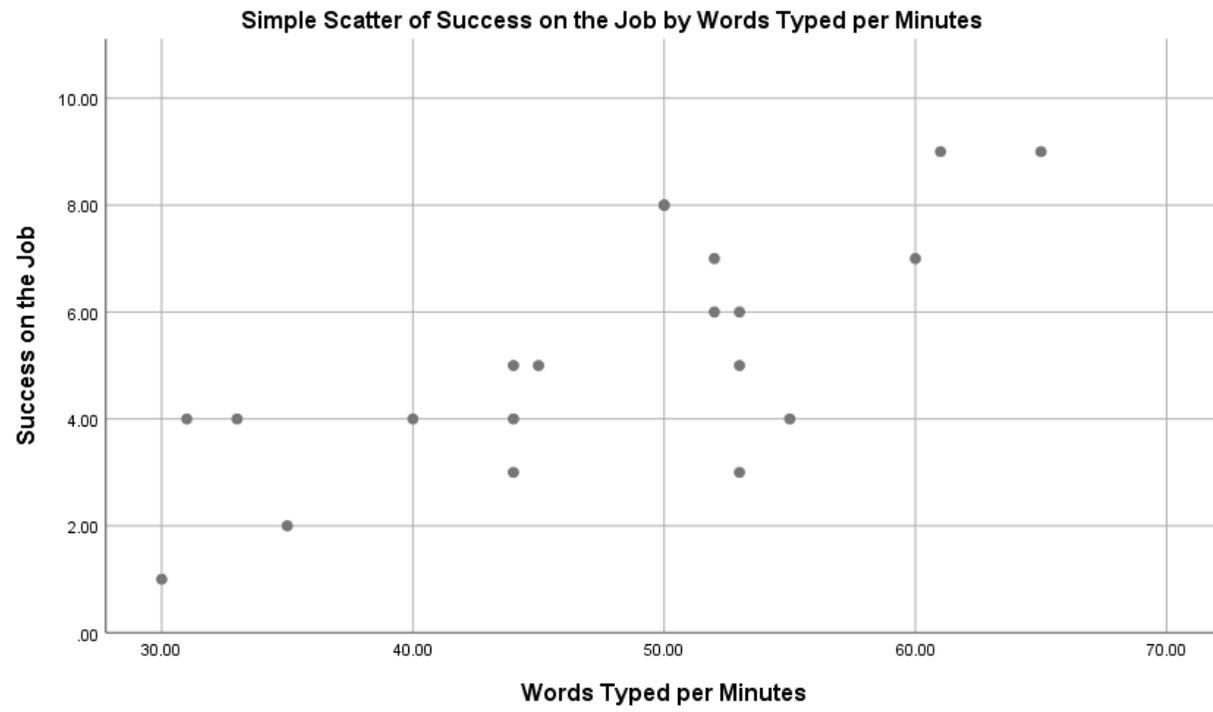
a. Is the relationship perfect or inverse? Perfect
b. Is the relationship perfect? no
c. Is the relationship strong? yes
d. Is the relationship linear? It is strong, direct linear