```
Data written to the working file.
6 variables and 43341 cases written.
Variable :Response Type:Number Format :F1
Variable :Data_Value Type:Number Format :F4.1
Variable :YEAR Type:Number Format :F4
Variable :Gender Type:Number Format :F1
Variable :Age Type:Number Format :F2
Variable :Education Type:Number Format :F2


Substitute the following to build syntax for these data .
/VARIABLES=
Response F1
Data_Value F4.1
YEAR F4
Gender F1
Age F2
Education F2
```

Regression

Notes

Output Created		02-DEC-2023 20:00:57
Comments		
Input	Data	C:\Users\mb1088\Documents\Tobacco-use-spss.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	43341
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Notes

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT Response /METHOD=ENTER Data_Value YEAR Gender Age Education.
Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.03
	Memory Required	4768 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1]

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	Education, YEAR, Data_Value, Age, Gender[b]	.	Enter

a. Dependent Variable: Response

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.568[a]	.322	.322	1.245

a. Predictors: (Constant), Education, YEAR, Data_Value, Age, Gender

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	31962.022	5	6392.404	4121.768	<.001[b]
	Residual	67207.765	43335	1.551		
	Total	99169.787	43340			

a. Dependent Variable: Response

b. Predictors: (Constant), Education, YEAR, Data_Value, Age, Gender

Coefficients[a]

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	-21.016	4.859		-4.325	<.001
	Data_Value	.025	.000	.408	95.000	<.001
	YEAR	.013	.002	.021	5.336	<.001
	Gender	-.406	.009	-.203	-46.875	<.001
	Age	-.011	.001	-.071	-16.550	<.001
	Education	-.316	.011	-.130	-28.992	<.001

a. Dependent Variable: Response

Data written to
C:\Users\mb1088\AppData\Local\Temp\2\CitrixClient\Analysing_trends_and_EDA_in_Tobacco_consumptions.xls
x.
6 variables and 43341 cases written to range :SPSS.
Variable :Response Type:Number Width :1 Dec :0
Variable :Data_Value Type:Number Width :4 Dec :1
Variable :YEAR Type:Number Width :4 Dec :0
Variable :Gender Type:Number Width :1 Dec :0
Variable :Age Type:Number Width :2 Dec :0
Variable :Education Type:Number Width :2 Dec :0