

```

GET
FILE='C:\Users\Bilal\Desktop\okul\odevler\YBS304\proje\toplaml\spss\veriler.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
* Decision Tree.
TREE score_avg [s] BY gender_v [n] race_ethnicity_v [n] parentallevelofeducation_v [n] testpreparationcourse_v [n]
/TREE DISPLAY=TOPDOWN NODES=STATISTICS BRANCHSTATISTICS=NO NODEDEFS=NO SCALE=AUTO
/PRINT MODEL SUMMARY RISK
/GAIN SUMMARYTABLE=NO TYPE=[NODE] SORT=DESCENDING CUMULATIVE=NO
/METHOD TYPE=CHAID
/GROWTHLIMIT MAXDEPTH=AUTO MINPARENTSIZE=100 MINCHILDSIZE=50
/VALIDATION TYPE=NONE OUTPUT=BOTH SAMPLES
/CHAID ALPHASPLIT=0.05 ALPHAMERGE=0.05 SPLITMERGE=NO ADJUST=BONFERRONI
/MISSING NOMINAL MISSING=MISSING.

```

Classification Tree

Notes

Output Created	27-APR-2022 23:55:47	
Comments		
Input	Data	C:\Users\Bilal\Desktop\okul\odevler\YBS304\proje\toplaml\spss\veriler.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1000
Missing Value Handling	Definition of Missing	Handling of user-defined missing values of nominal independent variables depends on the growing method.
	Cases Used	Only cases with valid data for the dependent variable and some or all independent variables are used in computing any statistics.

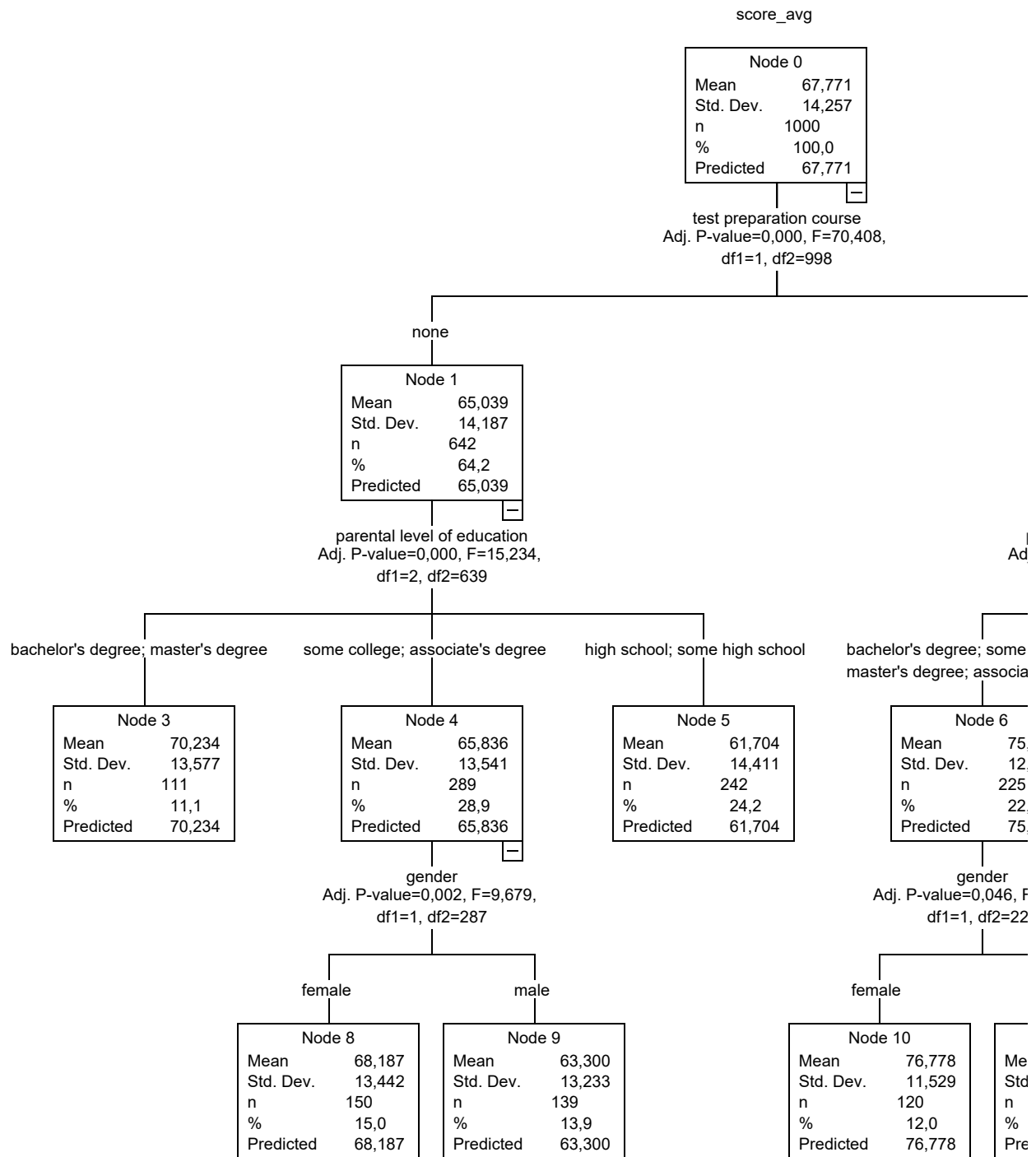
Notes

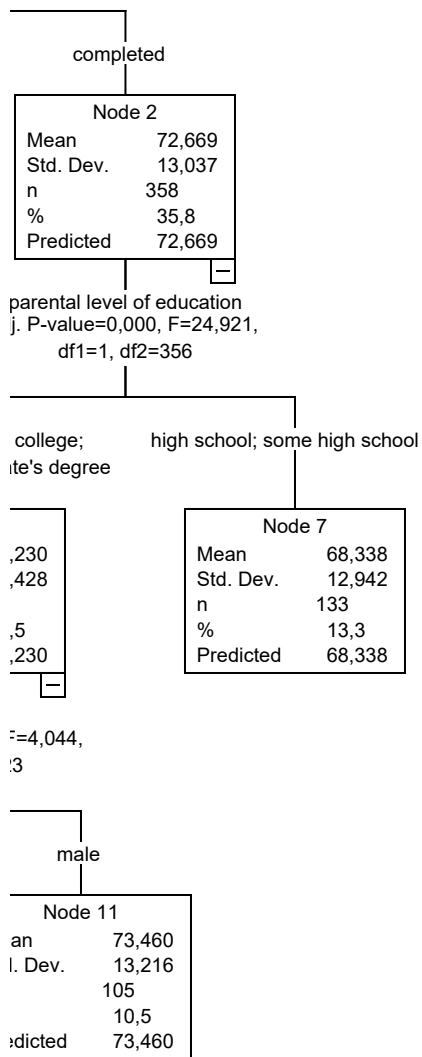
Syntax	<pre> TREE score_avg [s] BY gender_v [n] race_ethnicity_v [n] parentallevelofeducation_v [n] testpreparationcourse_v [n] /TREE DISPLAY=TOPDOWN NODES=STATISTICS BRANCHSTATISTICS=YES NODEDEFS=YES SCALE=AUTO /PRINT MODELSUMMARY RISK /GAIN SUMMARYTABLE=YES TYPE=[NODE] SORT=DESCENDING CUMULATIVE=NO /METHOD TYPE=CHAID /GROWTHLIMIT MAXDEPTH=AUTO MINPARENTSIZE=100 MINCHILDSIZE=50 /VALIDATION TYPE=NONE OUTPUT=BOTHSAMPLES /CHAID ALPHASPLIT=0.05 ALPHAMERGE=0.05 SPLITMERGED=NO ADJUST=BONFERRONI /MISSING NOMINALMISSING=MISSING. </pre>	
Resources	Processor Time	00:00:01,77
	Elapsed Time	00:00:01,25
Files Saved	Rules File	

[DataSet1] C:\Users\Bilal\Desktop\okul\odevler\YBS304\proje\toplaml\spss\veriler.sav

Model Summary

Specifications	Growing Method	CHAID	
	Dependent Variable	score_avg	
	Independent Variables	gender, race/ethnicity, parental level of education, test preparation course	
	Validation	None	
	Maximum Tree Depth		3
	Minimum Cases in Parent Node		100
	Minimum Cases in Child Node		50
Results	Independent Variables Included	test preparation course, parental level of education, gender	
	Number of Nodes		12
	Number of Terminal Nodes		7
	Depth		3





Gain Summary for Nodes

Node	N	Percent	Mean
10	120	12,0%	76,7778
11	105	10,5%	73,4603
3	111	11,1%	70,2342
7	133	13,3%	68,3383
8	150	15,0%	68,1867
9	139	13,9%	63,2998
5	242	24,2%	61,7039

Growing Method: CHAID

Dependent Variable: score_avg

Risk

Estimate	Std. Error
177,506	7,887

Growing Method: CHAID

Dependent Variable:

score_avg