```
T-TEST GROUPS=Algorithm(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=accuracy
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Algorithm	N	Mean	Std. Deviation	Std. Error Mean
accuracy	Support Vector Machine	10	96.5900	.50870	.16087
	KNN	10	99.9900	.03162	.01000

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
accuracy	Equal variances assumed	173.498	.000	-21.095	18
	Equal variances not assumed			-21.095	9.070

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
accuracy	Equal variances assumed	.000	-3.40000	.16118	-3.73862
	Equal variances not assumed	.000	-3.40000	.16118	-3.76418

Independent Samples Test

		t-test for Equality of Means: 95% Confidence Interval of the ... Upper
accuracy	Equal variances assumed	-3.06138
	Equal variances not assumed	-3.03582

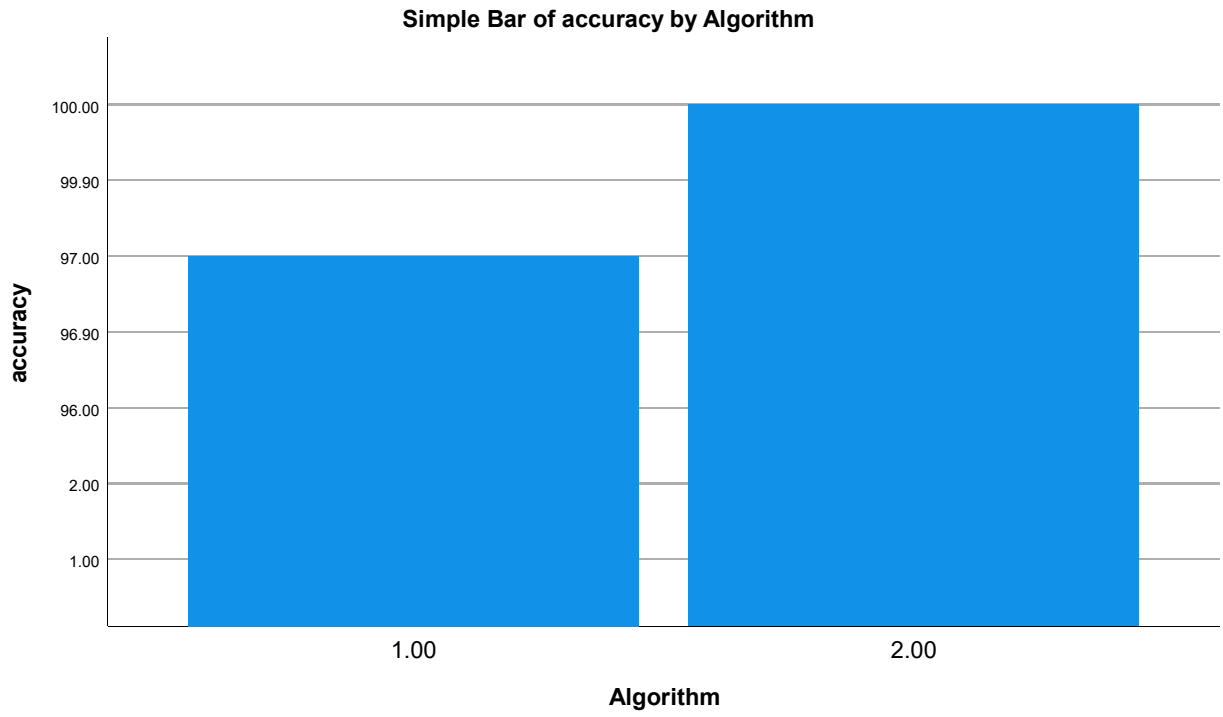
Independent Samples Effect Sizes

				95% Confidence Interval	
		Standardizer[a]	Point Estimate	Lower	Upper
accuracy	Cohen's d	.36040	-9.434	-12.600	-6.245
	Hedges' correction	.37634	-9.034	-12.066	-5.981
	Glass's delta	.03162	-107.517	-156.320	-58.885

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Algorithm accuracy MISSING=LISTWISE REPORTM
ISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Algorithm=col(source(s), name("Algorithm"), unit.category())
  DATA: accuracy=col(source(s), name("accuracy"), unit.category())
  GUIDE: axis(dim(1), label("Algorithm"))
  GUIDE: axis(dim(2), label("accuracy"))
  GUIDE: text.title(label("Simple Bar of accuracy by Algorithm"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: cat(dim(2), include("1.00", "2.00"))
  ELEMENT: interval(position(Algorithm*accuracy), shape.interior(shape.square))
END GPL.
```

GGraph




```
T-TEST GROUPS=Algorithm(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=accuracy
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Algorithm	N	Mean	Std. Deviation	Std. Error Mean
accuracy	KNN	10	99.9900	.03162	.01000
	NN(MLP classifier)	10	97.5700	1.05415	.33335

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
accuracy	Equal variances assumed	23.588	.000	7.256	18
	Equal variances not assumed			7.256	9.016

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
accuracy	Equal variances assumed	.000	2.42000	.33350	1.71934
	Equal variances not assumed	.000	2.42000	.33350	1.66578

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
accuracy	Equal variances assumed	3.12066	
	Equal variances not assumed	3.17422	

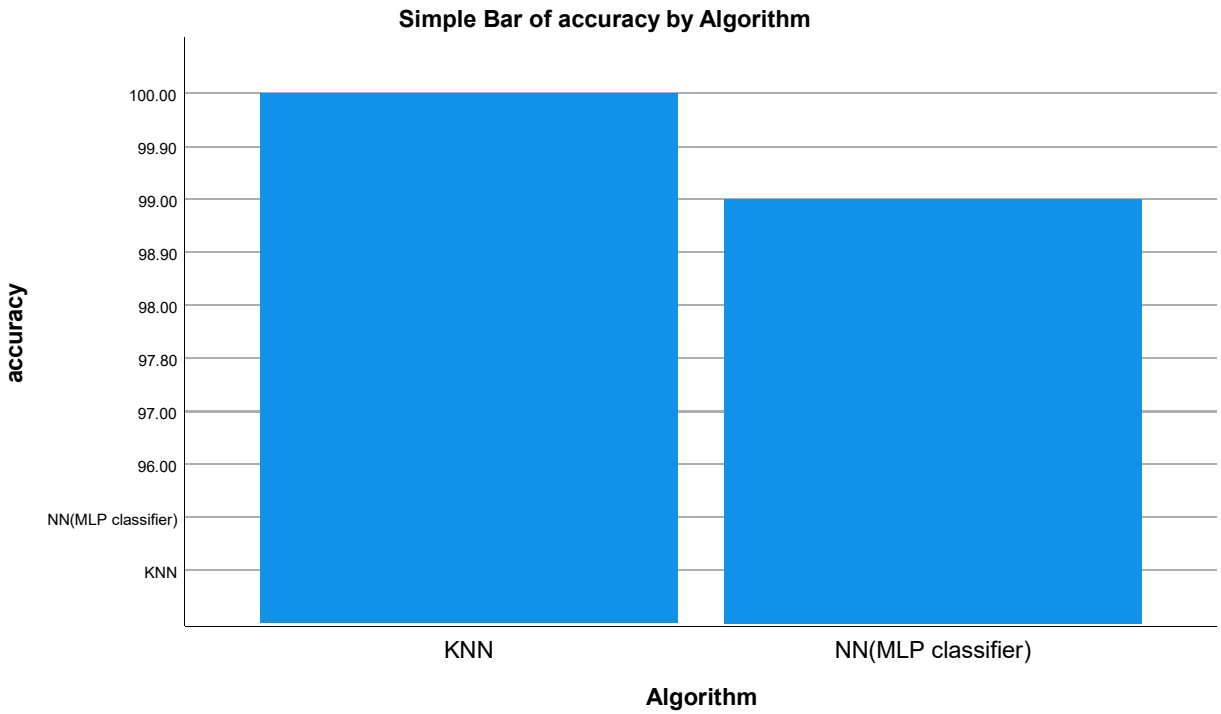
Independent Samples Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
accuracy	Cohen's d	.74573	3.245	1.857	4.595
	Hedges' correction	.77871	3.108	1.779	4.401
	Glass's delta	1.05415	2.296	.908	3.633

a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control group.

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Algorithm accuracy MISSING=LISTWISE REPORTM
ISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Algorithm=col(source(s), name("Algorithm"), unit.category())
  DATA: accuracy=col(source(s), name("accuracy"), unit.category())
  GUIDE: axis(dim(1), label("Algorithm"))
  GUIDE: axis(dim(2), label("accuracy"))
  GUIDE: text.title(label("Simple Bar of accuracy by Algorithm"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: cat(dim(2), include("1.00", "2.00"))
  ELEMENT: interval(position(Algorithm*accuracy), shape.interior(shape.square))
END GPL.
```

GGraph


Simple Bar of accuracy by Algorithm
accuracy
100.00
99.90
99.00
98.90
98.00
97.80
97.00
96.00
NN(MLP classifier)
KNN
KNN
NN(MLP classifier)
Algorithm