```
NEW FILE.
DATASET NAME DataSet1 WINDOW=FRONT.
DESCRIPTIVES VARIABLES=Data
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

```
[DataSet1]
```

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Data	20	94.08	96.80	95.4867	1.13661
Valid N (listwise)	20				

```
T-TEST GROUPS=Lable(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=Data
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Lable	N	Mean	Std. Deviation	Std. Error Mean
Data	Random Forest	10	96.5746	.14554	.04602
	Logistic Regreesion	10	94.3988	.27588	.08724

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Data	Equal variances assumed	7.023	.016	22.059	18
	Equal variances not assumed			22.059	13.649

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
Data	Equal variances assumed	.000	2.17578	.09864	1.96856
	Equal variances not assumed	.000	2.17578	.09864	1.96372

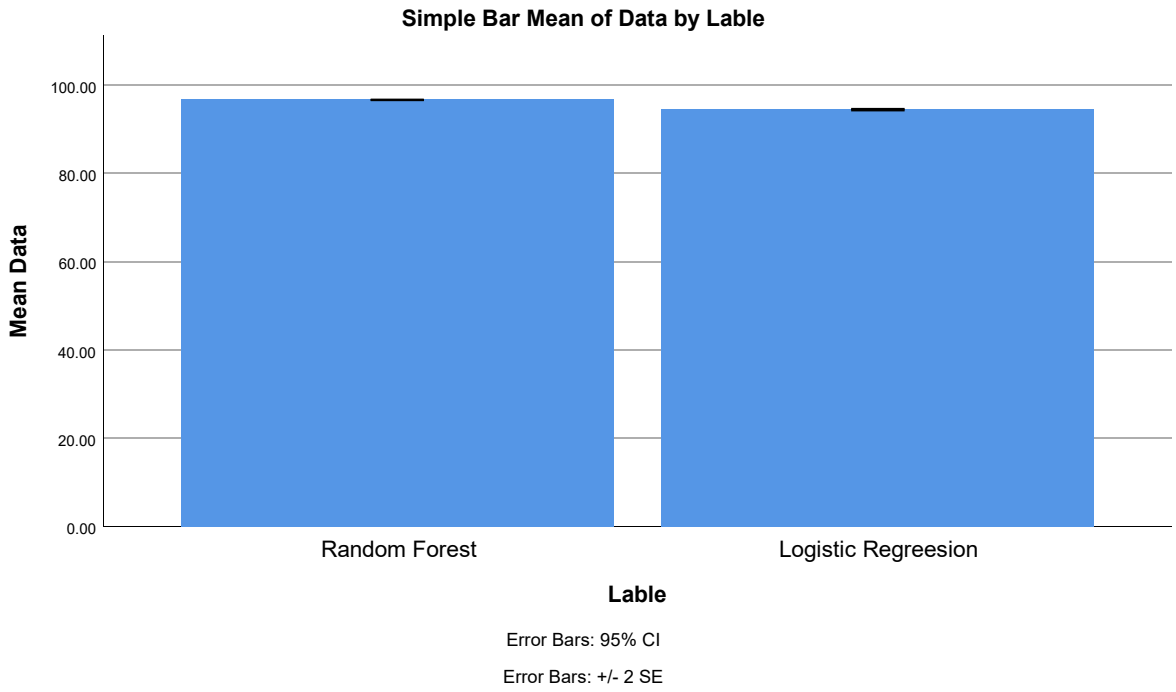
Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
Data	Equal variances assumed	2.38301	
	Equal variances not assumed	2.38785	

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Lable MEANSE(Data, 2)[name="M
EAN_Data"
    LOW="MEAN_Data_LOW" HIGH="MEAN_Data_HIGH"] MISSING=LISTWISE REPORTMISSI
NG=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Lable=col(source(s), name("Lable"), unit.category())
  DATA: MEAN_Data=col(source(s), name("MEAN_Data"))
  DATA: LOW=col(source(s), name("MEAN_Data_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_Data_HIGH"))
  GUIDE: axis(dim(1), label("Lable"))
  GUIDE: axis(dim(2), label("Mean Data"))
  GUIDE: text.title(label("Simple Bar Mean of Data by Lable"))
  GUIDE: text.footnote(label("Error Bars: 95% CI"))
  GUIDE: text.subfootnote(label("Error Bars: +/- 2 SE"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: interval(position(Lable*MEAN_Data), shape.interior(shape.square)
)
  ELEMENT: interval(position(region.spread.range(Lable*(LOW+HIGH))), shape.
interior(shape.ibeam))
```

```
END GPL.
```

GGraph




```
DESCRIPTIVES VARIABLES=Data
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Data	20	92.07	96.80	94.4769	2.16470
Valid N (listwise)	20				

```
T-TEST GROUPS=Lable(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=Data
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Lable	N	Mean	Std. Deviation	Std. Error Mean
Data	Random Forest	10	96.5746	.14554	.04602
	AdaBoost Classification	10	92.3792	.30492	.09642

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Data	Equal variances assumed	7.255	.015	39.266	18
	Equal variances not assumed			39.266	12.898

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
Data	Equal variances assumed	.000	4.19536	.10684	3.97089
	Equal variances not assumed	.000	4.19536	.10684	3.96436

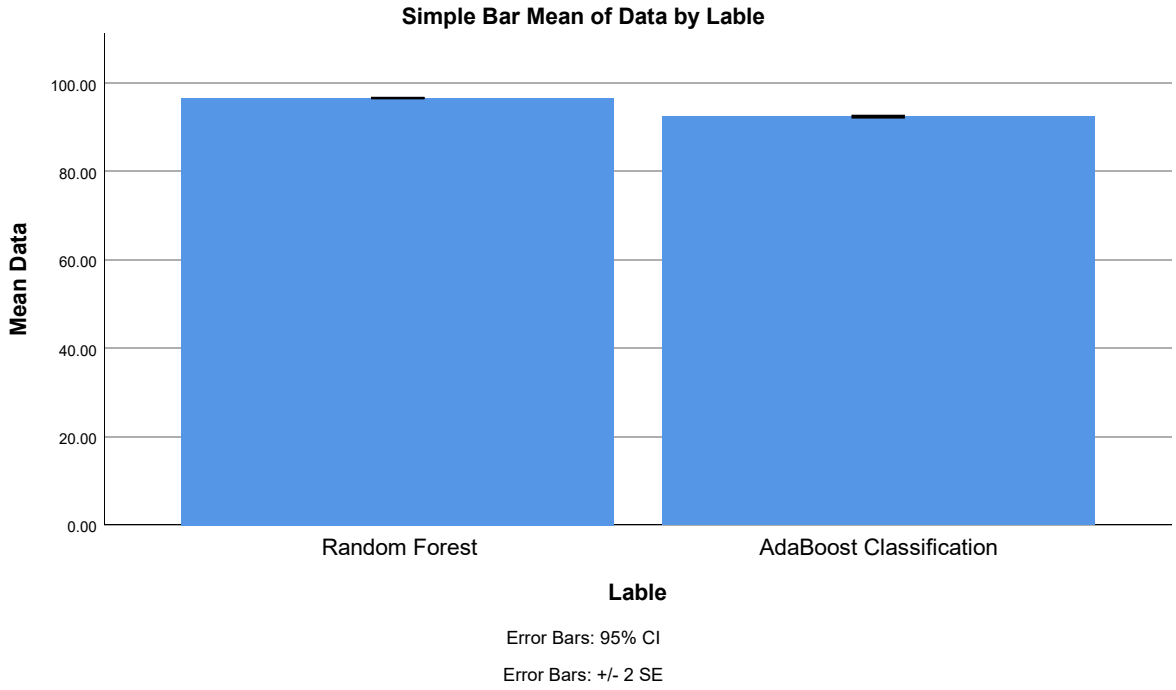
Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
Data	Equal variances assumed	4.41983	
	Equal variances not assumed	4.42637	

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Lable MEANSE(Data, 2)[name="M
EAN_Data"
    LOW="MEAN_Data_LOW" HIGH="MEAN_Data_HIGH"] MISSING=LISTWISE REPORTMISSI
NG=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Lable=col(source(s), name("Lable"), unit.category())
  DATA: MEAN_Data=col(source(s), name("MEAN_Data"))
  DATA: LOW=col(source(s), name("MEAN_Data_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_Data_HIGH"))
```

```
  GUIDE: axis(dim(1), label("Lable"))
  GUIDE: axis(dim(2), label("Mean Data"))
  GUIDE: text.title(label("Simple Bar Mean of Data by Lable"))
  GUIDE: text.footnote(label("Error Bars: 95% CI"))
  GUIDE: text.subfootnote(label("Error Bars: +/- 2 SE"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: interval(position(Lable*MEAN_Data), shape.interior(shape.square)
)
  ELEMENT: interval(position(region.spread.range(Lable*(LOW+HIGH))), shape.
interior(shape.ibeam))
END GPL.
```

GGraph




```
DESCRIPTIVES VARIABLES=Data
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Data	20	93.13	96.80	95.0029	1.62620
Valid N (listwise)	20				

```
T-TEST GROUPS=Lable(1 2)
  /MISSING=ANALYSIS
```

```
  /VARIABLES=Data
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Lable	N	Mean	Std. Deviation	Std. Error Mean
Data	Random Forest	10	96.5746	.14554	.04602
	Support Vector Machine	10	93.4313	.26968	.08528

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Data	Equal variances assumed	4.714	.044	32.436	18
	Equal variances not assumed			32.436	13.832

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
Data	Equal variances assumed	.000	3.14328	.09691	2.93968
	Equal variances not assumed	.000	3.14328	.09691	2.93520

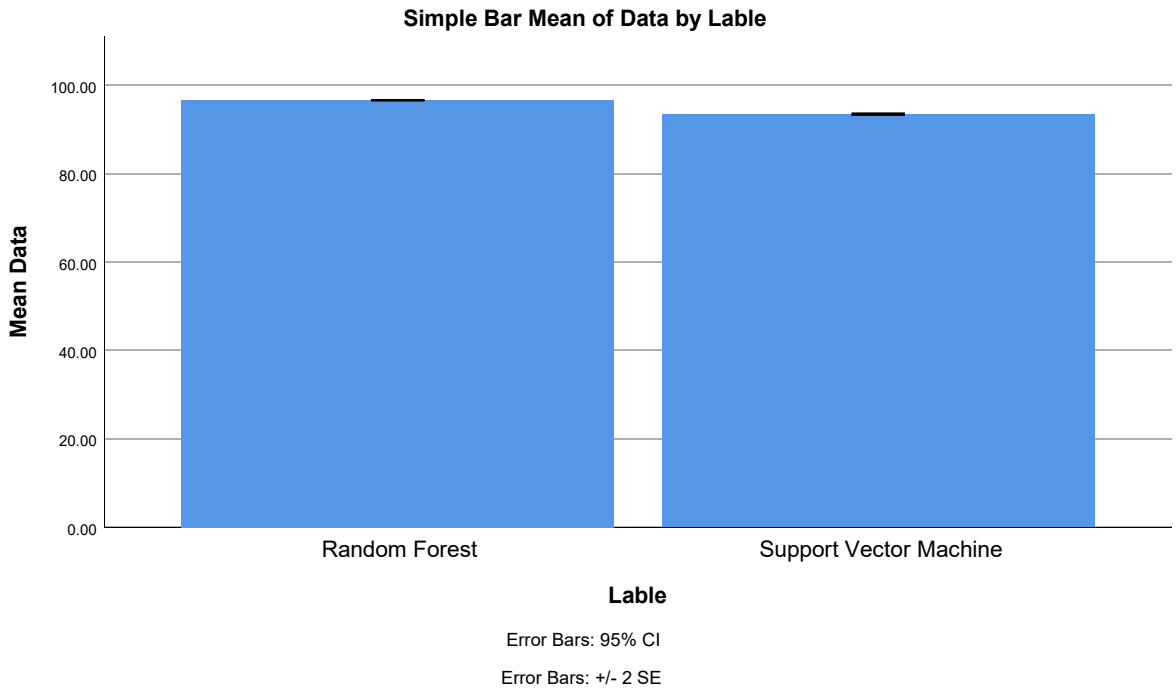
Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the ...	
		Upper	
Data	Equal variances assumed	3.34687	
	Equal variances not assumed	3.35135	

```
* Chart Builder.
GGRAPH
```

```
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Lable MEANSE(Data, 2)[name="M
EAN_Data"
    LOW="MEAN_Data_LOW" HIGH="MEAN_Data_HIGH"] MISSING=LISTWISE REPORTMISSI
NG=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Lable=col(source(s), name("Lable"), unit.category())
  DATA: MEAN_Data=col(source(s), name("MEAN_Data"))
  DATA: LOW=col(source(s), name("MEAN_Data_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_Data_HIGH"))
  GUIDE: axis(dim(1), label("Lable"))
  GUIDE: axis(dim(2), label("Mean Data"))
  GUIDE: text.title(label("Simple Bar Mean of Data by Lable"))
  GUIDE: text.footnote(label("Error Bars: 95% CI"))
  GUIDE: text.subfootnote(label("Error Bars: +/- 2 SE"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: interval(position(Lable*MEAN_Data), shape.interior(shape.square)
)
  ELEMENT: interval(position(region.spread.range(Lable*(LOW+HIGH))), shape.
interior(shape.ibeam))
END GPL.
```

GGraph




```
DESCRIPTIVES VARIABLES=Data
```

```
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Data	20	86.02	96.80	91.5483	5.16333
Valid N (listwise)	20				

```
T-TEST GROUPS=Lable(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=Data
  /CRITERIA=CI(.95).
```

T-Test

Group Statistics

	Lable	N	Mean	Std. Deviation	Std. Error Mean
Data	Random Forest	10	96.5746	.14554	.04602
	Naive Bayes	10	86.5220	.34616	.10946

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Data	Equal variances assumed	7.105	.016	84.656	18
	Equal variances not assumed			84.656	12.085

Independent Samples Test

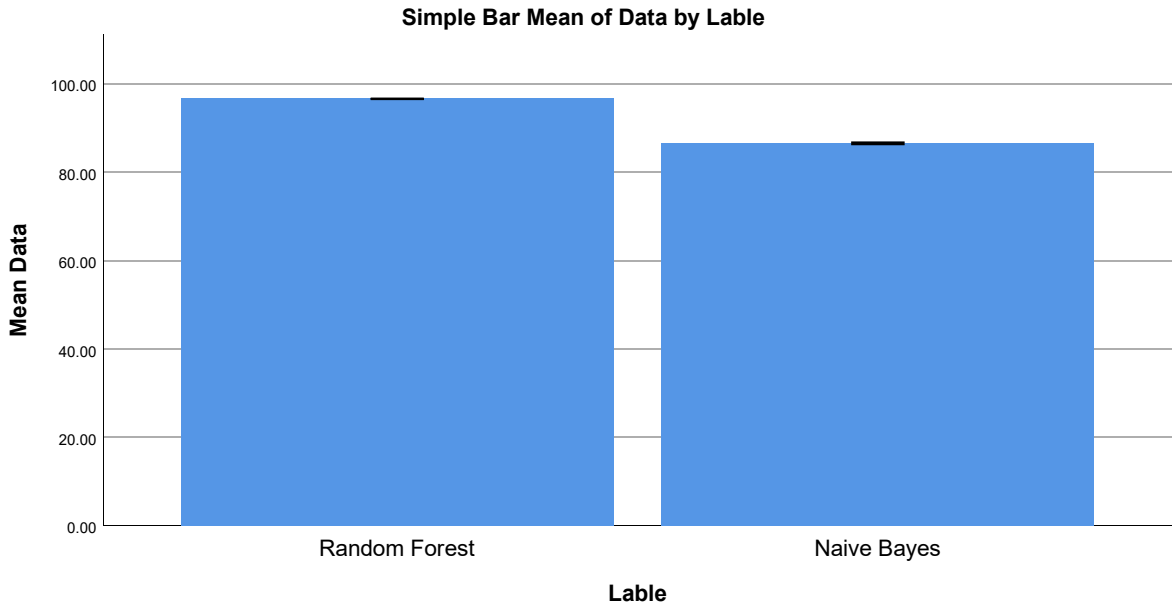
		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ... Lower
Data	Equal variances assumed	.000	10.05256	.11875	9.80309
	Equal variances not assumed	.000	10.05256	.11875	9.79404

Independent Samples Test

		t-test for Equality of Means: 95% Confidence Interval of the ... Upper
Data	Equal variances assumed	10.30204
	Equal variances not assumed	10.31108

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Lable MEANSE(Data, 2)[name="M
EAN_Data"
    LOW="MEAN_Data_LOW" HIGH="MEAN_Data_HIGH"] MISSING=LISTWISE REPORTMISSI
NG=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Lable=col(source(s), name("Lable"), unit.category())
  DATA: MEAN_Data=col(source(s), name("MEAN_Data"))
  DATA: LOW=col(source(s), name("MEAN_Data_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_Data_HIGH"))
  GUIDE: axis(dim(1), label("Lable"))
  GUIDE: axis(dim(2), label("Mean Data"))
  GUIDE: text.title(label("Simple Bar Mean of Data by Lable"))
  GUIDE: text.footnote(label("Error Bars: 95% CI"))
  GUIDE: text.subfootnote(label("Error Bars: +/- 2 SE"))
  SCALE: cat(dim(1), include("1.00", "2.00"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: interval(position(Lable*MEAN_Data), shape.interior(shape.square)
)
  ELEMENT: interval(position(region.spread.range(Lable*(LOW+HIGH))), shape.
interior(shape.ibeam))
END GPL.
```

GGraph



Error Bars: 95% CI

Error Bars: +/- 2 SE