```
   DATASET ACTIVATE DataSet1.
ONEWAY FindTime LocateMinMax CompareValues CompareRanges BY VisType
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS
  /POSTHOC=BONFERRONI ALPHA(0.0125).
```

Oneway ANOVA - Exp 1 - AC

Notes

Output Created		26-AUG-2020 09:49:...
Comments		
Input	Data	/Users/niklas/Document s/Doktorandhandlednin g/Kahin/radvis/statistik/ exp1_ac.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	189
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY FindTime LocateMinMax CompareValues CompareRanges BY VisType /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=BONFERRO NI ALPHA(0.0125).
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/niklas/Documents/Doktorandhandledning/Kahin/radvis/statistik/exp1_a
c.sav

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence … Lower Bound
FindTime	**Adj**	63	.9841	.05145	.00648	.9712
	Sta	63	.9857	.03958	.00499	.9757
	Com	63	.9952	.02147	.00270	.9898
	Total	189	.9884	.03957	.00288	.9827
LocateMinMax	**Adj**	63	.9127	.12999	.01638	.8800
	Sta	63	.9048	.12599	.01587	.8730
	Com	63	.9524	.10120	.01275	.9269
	Total	189	.9233	.12092	.00880	.9059
CompareValues	**Adj**	63	.7143	.30736	.03872	.6369
	Sta	63	.7619	.29590	.03728	.6874
	Com	63	.7540	.30944	.03899	.6760
	Total	189	.7434	.30339	.02207	.6999
CompareRanges	**Adj**	63	.9048	.12599	.01587	.8730
	Sta	63	.9259	.13312	.01677	.8924
	Com	63	.9392	.10499	.01323	.9127
	Total	189	.9233	.12213	.00888	.9058

Descriptives

		95% Confidence Interval for … Upper Bound	Minimum	Maximum
FindTime	**Adj**	.9971	.70	1.00
	Sta	.9957	.80	1.00
	Com	1.0006	.90	1.00
	Total	.9940	.70	1.00
LocateMinMax	**Adj**	.9454	.33	1.00
	Sta	.9365	.50	1.00
	Com	.9779	.50	1.00
	Total	.9406	.33	1.00
CompareValues	**Adj**	.7917	.00	1.00
	Sta	.8364	.00	1.00
	Com	.8319	.00	1.00
	Total	.7869	.00	1.00
CompareRanges	**Adj**	.9365	.50	1.00
	Sta	.9595	.33	1.00
	Com	.9656	.67	1.00
	Total	.9408	.33	1.00

ANOVA

		Sum of Squares	df	Mean Square	F
FindTime	Between Groups	.005	2	.002	1.460
	Within Groups	.290	186	.002	
	Total	.294	188		
LocateMinMax	Between Groups	.082	2	.041	2.860
	Within Groups	2.667	186	.014	
	Total	2.749	188		
CompareValues	Between Groups	.082	2	.041	.443
	Within Groups	17.222	186	.093	
	Total	17.304	188		
CompareRanges	Between Groups	.038	2	.019	1.275
	Within Groups	2.766	186	.015	
	Total	2.804	188		

ANOVA

		Sig.
FindTime	Between Groups	.235
	Within Groups	
	Total	
LocateMinMax	Between Groups	.060
	Within Groups	
	Total	
CompareValues	Between Groups	.643
	Within Groups	
	Total	
CompareRanges	Between Groups	.282
	Within Groups	
	Total	

Post Hoc Tests

Multiple Comparisons

Bonferroni

Dependent Variable	(I) VisType	(J) VisType	Mean Difference (I-J)	Std. Error	Sig.
FindTime	Adj	Sta	-.00159	.00703	1.000
		Com	-.01111	.00703	.348
	Sta	Adj	.00159	.00703	1.000
		Com	-.00952	.00703	.532
	Com	Adj	.01111	.00703	.348
		Sta	.00952	.00703	.532
LocateMinMax	Adj	Sta	.00794	.02133	1.000
		Com	-.03968	.02133	.193
	Sta	Adj	-.00794	.02133	1.000
		Com	-.04762	.02133	.080
	Com	Adj	.03968	.02133	.193
		Sta	.04762	.02133	.080
CompareValues	Adj	Sta	-.04762	.05422	1.000
		Com	-.03968	.05422	1.000
	Sta	Adj	.04762	.05422	1.000
		Com	.00794	.05422	1.000
	Com	Adj	.03968	.05422	1.000
		Sta	-.00794	.05422	1.000
CompareRanges	Adj	Sta	-.02116	.02173	.994
		Com	-.03439	.02173	.346
	Sta	Adj	.02116	.02173	.994
		Com	-.01323	.02173	1.000
	Com	Adj	.03439	.02173	.346
		Sta	.01323	.02173	1.000

Multiple Comparisons

Bonferroni

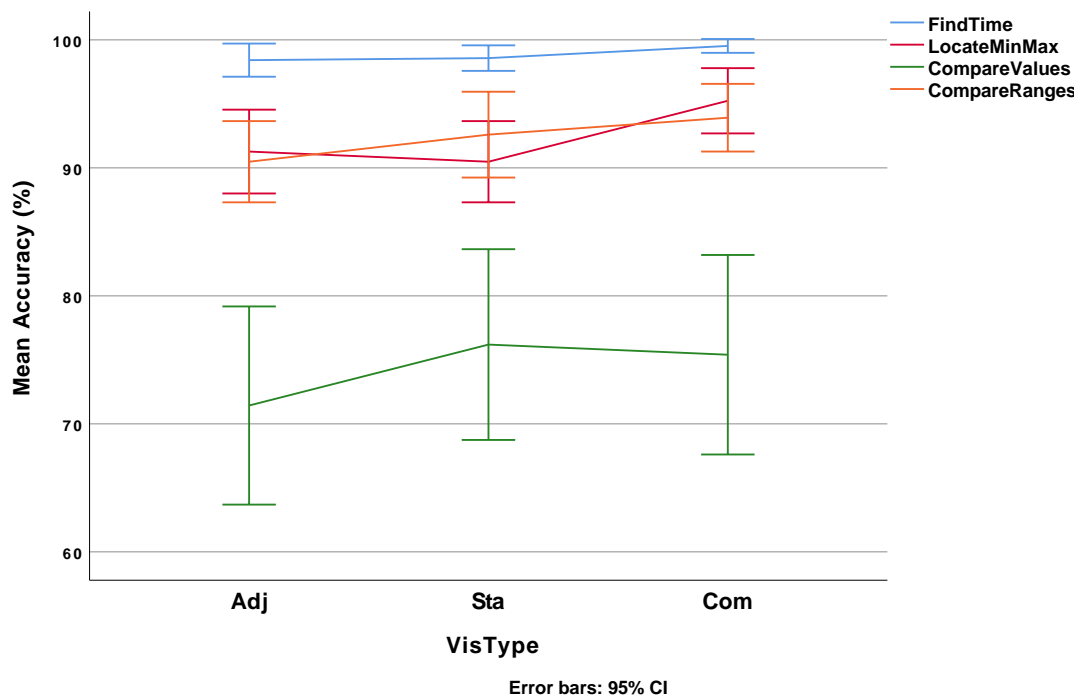| Dependent Variable	(I) VisType	(J) VisType	98.75% Confidence Interval	
			Lower Bound	Upper Bound
FindTime	Adj	Sta	-.0220	.0188
		Com	-.0315	.0093
	Sta	Adj	-.0188	.0220
		Com	-.0299	.0109
	Com	Adj	-.0093	.0315
		Sta	-.0109	.0299
LocateMinMax	Adj	Sta	-.0540	.0698
		Com	-.1016	.0222
	Sta	Adj	-.0698	.0540
		Com	-.1095	.0143
	Com	Adj	-.0222	.1016
		Sta	-.0143	.1095
CompareValues	Adj	Sta	-.2049	.1097
		Com	-.1970	.1176
	Sta	Adj	-.1097	.2049
		Com	-.1494	.1652
	Com	Adj	-.1176	.1970
		Sta	-.1652	.1494
CompareRanges	Adj	Sta	-.0842	.0419
		Com	-.0974	.0286
	Sta	Adj	-.0419	.0842
		Com	-.0763	.0498
	Com	Adj	-.0286	.0974
		Sta	-.0498	.0763

```
GRAPH
 /LINE(MULTIPLE)=MEAN(FindTime) MEAN(LocateMinMax) MEAN(CompareValues) MEAN(CompareR
anges) BY
   VisType
 /MISSING=LISTWISE
 /INTERVAL CI(95.0).
```

Graph

Notes

Output Created		**26-AUG-2020 09:49:...**
Comments		
Input	**Data**	**/Users/niklas/Documents/Doktorandhandledning/Kahin/radvis/statistik/exp1_ac.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**189**
Syntax		**GRAPH /LINE(MULTIPLE)=MEAN(FindTime) MEAN(LocateMinMax) MEAN(CompareValues) MEAN(CompareRanges) BY VisType /MISSING=LISTWISE /INTERVAL CI(95.0).**
Resources	**Processor Time**	**00:00:00.19**
	Elapsed Time	**00:00:01.00**

Error bars: 95% CI

```
 DATASET ACTIVATE DataSet4.
DATASET CLOSE DataSet1.
ONEWAY FindTime LocateMinMax CompareValues CompareRanges BY VisType
  /STATISTICS DESCRIPTIVES
```

```
/MISSING ANALYSIS
/POSTHOC=BONFERRONI ALPHA(0.0125).
```

Oneway ANOVA - Exp 1 - CT

Notes

Output Created		**26-AUG-2020 09:53:…**
Comments		
Input	**Data**	**/Users/niklas/Document s/Doktorandhandlednin g/Kahin/radvis/statistik/ exp1_ct.sav**
	Active Dataset	**DataSet4**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**189**
Missing Value Handling	**Definition of Missing**	**User-defined missing values are treated as missing.**
	Cases Used	**Statistics for each analysis are based on cases with no missing data for any variable in the analysis.**
Syntax		**ONEWAY FindTime LocateMinMax CompareValues CompareRanges BY VisType** ** /STATISTICS DESCRIPTIVES** ** /MISSING ANALYSIS** **/POSTHOC=BONFERRO NI ALPHA(0.0125).**
Resources	**Processor Time**	**00:00:00.01**
	Elapsed Time	**00:00:00.00**

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence … Lower Bound
FindTime	**Adj**	63	3.7193	1.30312	.16418	3.3911
	Sta	63	3.6327	1.18569	.14938	3.3341
	Com	63	3.6697	1.15684	.14575	3.3784
	Total	189	3.6739	1.21090	.08808	3.5001
LocateMinMax	**Adj**	63	9.0162	4.84143	.60996	7.7969
	Sta	63	9.1083	4.37772	.55154	8.0057
	Com	63	7.4251	4.87893	.61469	6.1963
	Total	189	8.5165	4.74349	.34504	7.8359
CompareValues	**Adj**	63	13.1121	6.57996	.82900	11.4550
	Sta	63	13.4915	7.21094	.90849	11.6754
	Com	63	18.1626	10.64251	1.34083	15.4824
	Total	189	14.9221	8.60709	.62607	13.6870
CompareRanges	**Adj**	63	11.3410	5.39504	.67971	9.9823
	Sta	63	10.9492	5.01097	.63132	9.6872
	Com	63	9.5329	5.04810	.63600	8.2616
	Total	189	10.6077	5.18558	.37720	9.8636

Descriptives

		95% Confidence Interval for … Upper Bound	Minimum	Maximum
FindTime	**Adj**	4.0475	1.85	8.62
	Sta	3.9313	2.16	7.11
	Com	3.9611	1.93	7.88
	Total	3.8477	1.85	8.62
LocateMinMax	**Adj**	10.2355	3.67	27.86
	Sta	10.2108	4.08	24.06
	Com	8.6538	2.46	28.50
	Total	9.1972	2.46	28.50
CompareValues	**Adj**	14.7692	3.30	39.22
	Sta	15.3075	4.24	33.93
	Com	20.8429	4.03	52.53
	Total	16.1571	3.30	52.53
CompareRanges	**Adj**	12.6997	2.77	23.93
	Sta	12.2112	4.05	25.12
	Com	10.8042	3.34	33.22
	Total	11.3518	2.77	33.22

ANOVA

		Sum of Squares	df	Mean Square	F
FindTime	Between Groups	.238	2	.119	.080
	Within Groups	275.422	186	1.481	
	Total	275.660	188		
LocateMinMax	Between Groups	112.842	2	56.421	2.549
	Within Groups	4117.287	186	22.136	
	Total	4230.130	188		
CompareValues	Between Groups	996.907	2	498.453	7.170
	Within Groups	12930.514	186	69.519	
	Total	13927.421	188		
CompareRanges	Between Groups	114.001	2	57.001	2.146
	Within Groups	4941.369	186	26.567	
	Total	5055.371	188		

ANOVA

		Sig.
FindTime	Between Groups	.923
	Within Groups	
	Total	
LocateMinMax	Between Groups	.081
	Within Groups	
	Total	
CompareValues	Between Groups	.001
	Within Groups	
	Total	
CompareRanges	Between Groups	.120
	Within Groups	
	Total	

Post Hoc Tests

Multiple Comparisons

Bonferroni

Dependent Variable	(I) VisType	(J) VisType	Mean Difference (I-J)	Std. Error	Sig.
FindTime	Adj	Sta	.08660	.21681	1.000
		Com	.04956	.21681	1.000
	Sta	Adj	-.08660	.21681	1.000
		Com	-.03704	.21681	1.000
	Com	Adj	-.04956	.21681	1.000
		Sta	.03704	.21681	1.000
LocateMinMax	Adj	Sta	-.09201	.83829	1.000
		Com	1.59118	.83829	.178
	Sta	Adj	.09201	.83829	1.000
		Com	1.68319	.83829	.138
	Com	Adj	-1.59118	.83829	.178
		Sta	-1.68319	.83829	.138
CompareValues	Adj	Sta	-.37937	1.48558	1.000
		Com	-5.05054 [*]	1.48558	.002
	Sta	Adj	.37937	1.48558	1.000
		Com	-4.67117 [*]	1.48558	.006
	Com	Adj	5.05054 [*]	1.48558	.002
		Sta	4.67117 [*]	1.48558	.006
CompareRanges	Adj	Sta	.39183	.91836	1.000
		Com	1.80811	.91836	.151
	Sta	Adj	-.39183	.91836	1.000
		Com	1.41628	.91836	.374
	Com	Adj	-1.80811	.91836	.151
		Sta	-1.41628	.91836	.374

Multiple Comparisons

Bonferroni

Dependent Variable	(I) VisType	(J) VisType	98.75% Confidence Interval	
			Lower Bound	Upper Bound
FindTime	Adj	Sta	-.5424	.7156
		Com	-.5794	.6786
	Sta	Adj	-.7156	.5424
		Com	-.6661	.5920
	Com	Adj	-.6786	.5794
		Sta	-.5920	.6661
LocateMinMax	Adj	Sta	-2.5240	2.3400
		Com	-.8408	4.0232
	Sta	Adj	-2.3400	2.5240
		Com	-.7488	4.1152
	Com	Adj	-4.0232	.8408
		Sta	-4.1152	.7488
CompareValues	Adj	Sta	-4.6892	3.9305
		Com	-9.3604	-.7407
	Sta	Adj	-3.9305	4.6892
		Com	-8.9810	-.3613
	Com	Adj	.7407	9.3604
		Sta	.3613	8.9810
CompareRanges	Adj	Sta	-2.2725	3.0561
		Com	-.8562	4.4724
	Sta	Adj	-3.0561	2.2725
		Com	-1.2480	4.0806
	Com	Adj	-4.4724	.8562
		Sta	-4.0806	1.2480

*. The mean difference is significant at the 0.0125 level.

```
GRAPH
 /LINE(MULTIPLE)=MEAN(FindTime) MEAN(LocateMinMax) MEAN(CompareValues) MEAN(CompareR
anges) BY
   VisType
 /MISSING=LISTWISE
 /INTERVAL CI(95.0).
```

Graph

Notes

Output Created		26-AUG-2020 09:54:...
Comments		
Input	Data	/Users/niklas/Documents/Doktorandhandledning/Kahin/radvis/statistik/exp1_ct.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	189

Syntax		GRAPH
		  /LINE(MULTIPLE)
		=MEAN(FindTime) MEAN
		(LocateMinMax) MEAN
		(CompareValues) MEAN
		(CompareRanges) BY
		  VisType
		 /MISSING=LISTWISE
		 /INTERVAL CI(95.0).

Resources	Processor Time	00:00:00.15
	Elapsed Time	00:00:00.00

Error bars: 95% CI