Outputs from various softwares -- single population

DATA

```
> a <- round(rnorm(20, 2, 2),3)

> a

[1] 1.338 -1.547 2.275 3.621 0.097 -0.352 2.215 1.517 1.837

[10] 1.078 4.584 1.644 3.337 -2.667 3.772 -1.606 5.008 0.379

[19] 1.603 0.824
```

1. R Output

2. Minitab Output:

```
One-Sample T: x

Test of mu = 1.8 vs > 1.8

Variable N Mean StDev SE Mean Bound T P
x 20 1.448 2.048 0.458 0.656 -0.77 0.774
```

3. SPSS Output:

→ T-Test

[DataSet1]

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Х	20	1.44785	2.047676	.457874

One-Sample Test

	Test Value = 1.8							
				Mean	95% Confidence Interval of the Difference			
	t	df	Sig. (2-tailed)	Difference	Lower	Upper		
Х	769	19	.451	352150	-1.31049	.60619		

4. SAS Output:

