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Bài thực hành 2

Bài 1:

> zsum.test (mean.x=98, sigma.x=2, n.x=9, conf.level=0.95)

```
> zsum.test (mean.x=98, sigma.x=2, n.x=9, conf.level=0.95)

One-sample z-Test

data: Summarized x
z = 147, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 96.69336 99.30664
sample estimates:
mean of x
      98
```

Bài 2:

> zsum.test (mean.x=780, sigma.x=40, n.x=30, conf.level=0.96)

```
> zsum.test (mean.x=780, sigma.x=40, n.x=30, conf.level=0.96)

One-sample z-Test

data: Summarized x
z = 106.81, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0
96 percent confidence interval:
 765.0015 794.9985
sample estimates:
mean of x
      780
```

Bài 3:

```
> qd=c(15.5,27.3,11.4,19.6,9.3,22.8,32.6)
> qd
[1] 15.5 27.3 11.4 19.6 9.3 22.8 32.6
> t.test(qd,conf.level=0.95)
```

```
> t.test(qd,conf.level=0.95)
```

```
One Sample t-test
```

```
data: qd
t = 6.1949, df = 6, p-value = 0.000815
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 11.97064 27.60078
sample estimates:
mean of x
 19.78571
```

Bài 4:

```
> haophi=c(rep(30,5),rep(32,9),rep(34,12),rep(36,6),rep(38,4))
> haophi
[1] 30 30 30 30 30 32 32 32 32 32 32 32 32 32 32 34 34 34 34 34
34 34 34 34 34
[25] 34 34 36 36 36 36 36 36 38 38 38 38
> t.test(haophi,conf.level=0.95,n.x=36)
```

```
> t.test(haophi,conf.level=0.95,n.x=36)
```

```
One Sample t-test
```

```
data: haophi
t = 84.385, df = 35, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 32.91094 34.53350
sample estimates:
mean of x
 33.72222
```

Bài 5:

>

```
zsum.test(mean.x=24800,sigma.x=650,n.x=31,conf.level=0.95)
```

```
> zsum.test(mean.x=24800,sigma.x=650,n.x=31,conf.level=0.95)
```

```
One-sample z-Test
```

```
data: Summarized x
z = 212.43, p-value < 2.2e-16
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 24571.19 25028.81
sample estimates:
mean of x
 24800
```

Bài 6:

```
> prop.test(x=360, n=400,correct=F,conf.level=0.95)
```

```
> prop.test(x=360,n=400,correct=F,conf.level=0.95)
```

```
1-sample proportions test without continuity correction
```

```
data: 360 out of 400, null probability 0.5
X-squared = 256, df = 1, p-value < 2.2e-16
alternative hypothesis: true p is not equal to 0.5
95 percent confidence interval:
 0.8666894 0.9257007
sample estimates:
 p
0.9
```