

Tarea_04_PE_HVG

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2022-09-19

Teoría del muestreo

1

```
# muestra aleatoria de 40 hombres  
pnorm(100, mean = (797-660), sd = sqrt(482^2/40)+(414^2/35), lower.tail = FALSE)
```

```
## [1] 0.502968
```

2

```
pnorm(8, mean=0, sd = sqrt(100/25+80/16), lower.tail = FALSE)
```

```
## [1] 0.003830381
```

3

```
pnorm(0.70, mean = (0.64), sd = sqrt((0.64)*(1- 0.64)/125), lower.tail = FALSE)
```

```
## [1] 0.08112525
```

4

```
pnorm(.6, mean = (.65), sd = sqrt((.65)*(.6)/100), lower.tail = FALSE)
```

```
## [1] 0.7883302
```

```
pnorm(.6, mean = (.58), sd = sqrt((.58)*(.6)/100), lower.tail = TRUE)
```

```
## [1] 0.6327071
```

```
pnorm(.6, mean = (.63-.56), sd = sqrt((.63)*(.6)/100) + sqrt((.53)*(.6)/100), lower.tail = FALSE)
```

```
## [1] 3.456376e-06
```

5

```
pnorm(0.09, mean = (0.095-0.049), sd = sqrt((0.095)*(905)/100 + (0.049)*(951)/120), lower.tail = FALSE)
```

```
## [1] 0.4842917
```