Cálculos de la Tarea 1B

Inferencia Estadística

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Capítulo 6

1. Ejercicio 6.6.3:

- a) $(0.99*(10^{(-5)}))/(0.99*(10^{(-5)}) + 0.01*(1-10^{(-5)})) \approx 0.000989031$

```
a = (0.99 * (10^(-5))) / (0.99 * (10^(-5)) + 0.01 * (1 - 10^(-5)))
```

Out[•]= 0.000989031

- b) $(0.01*(10^{(-5)}))/(0.01*(10^{(-5)}) + 0.99*(1-10^{(-5)})) = 0.000000101011$

```
b = (0.01 * (10^(-5))) / (0.01 * (10^(-5)) + 0.99 * (1 - 10^(-5)))
```

Out[•]= 1.01011×10^{-7}

```
AccountingForm[1.01011 × 10^-7]
```

forma contable

Out[•]//AccountingForm=

0.000000101011

- c) La suma de las probabilidades anteriores es aproximadamente: 0.000989132

```
a + b
```

Out[•]= 0.000989132