PROYECTO RETO

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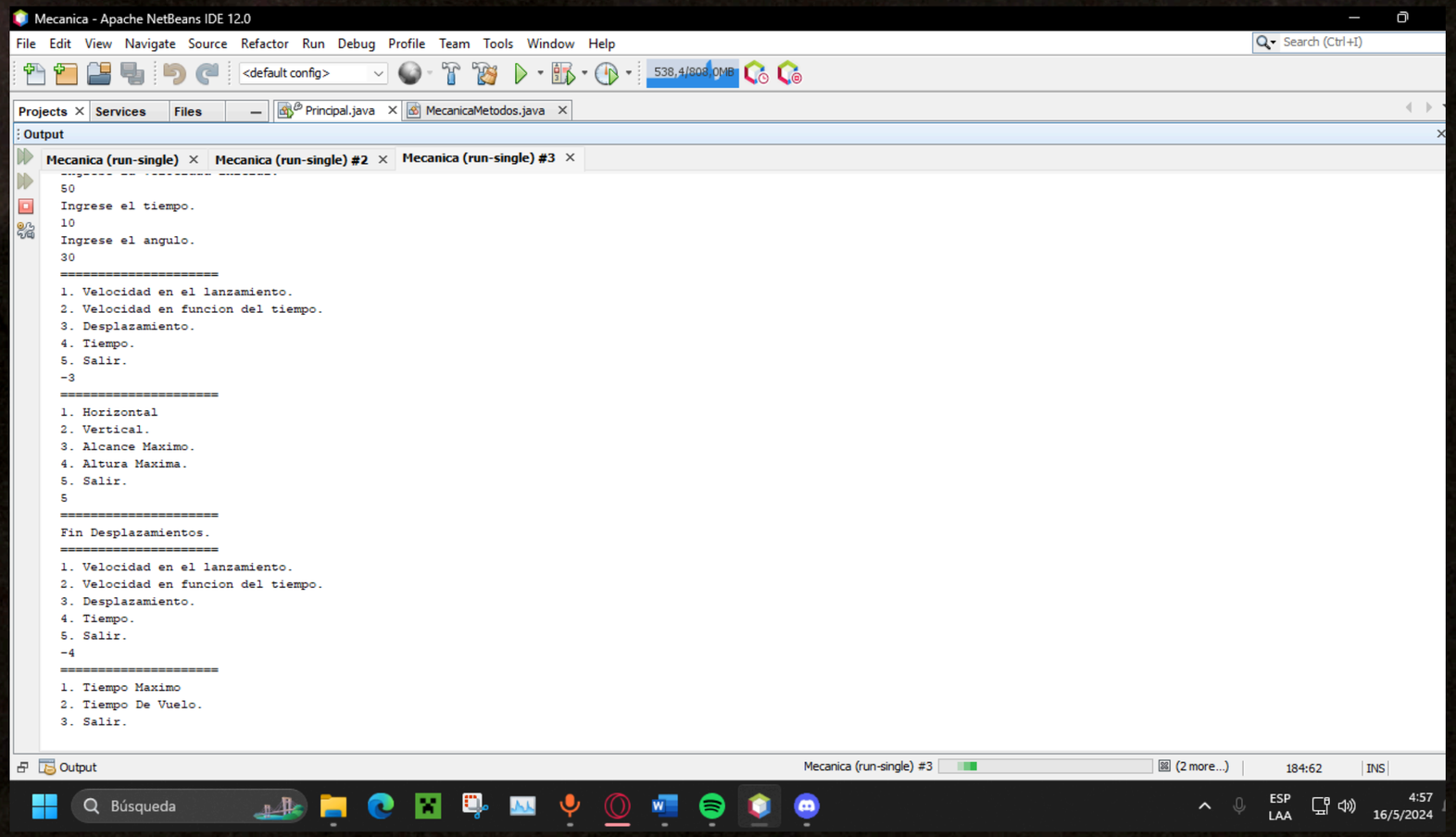
Presentacion del Codigo en NetBeans



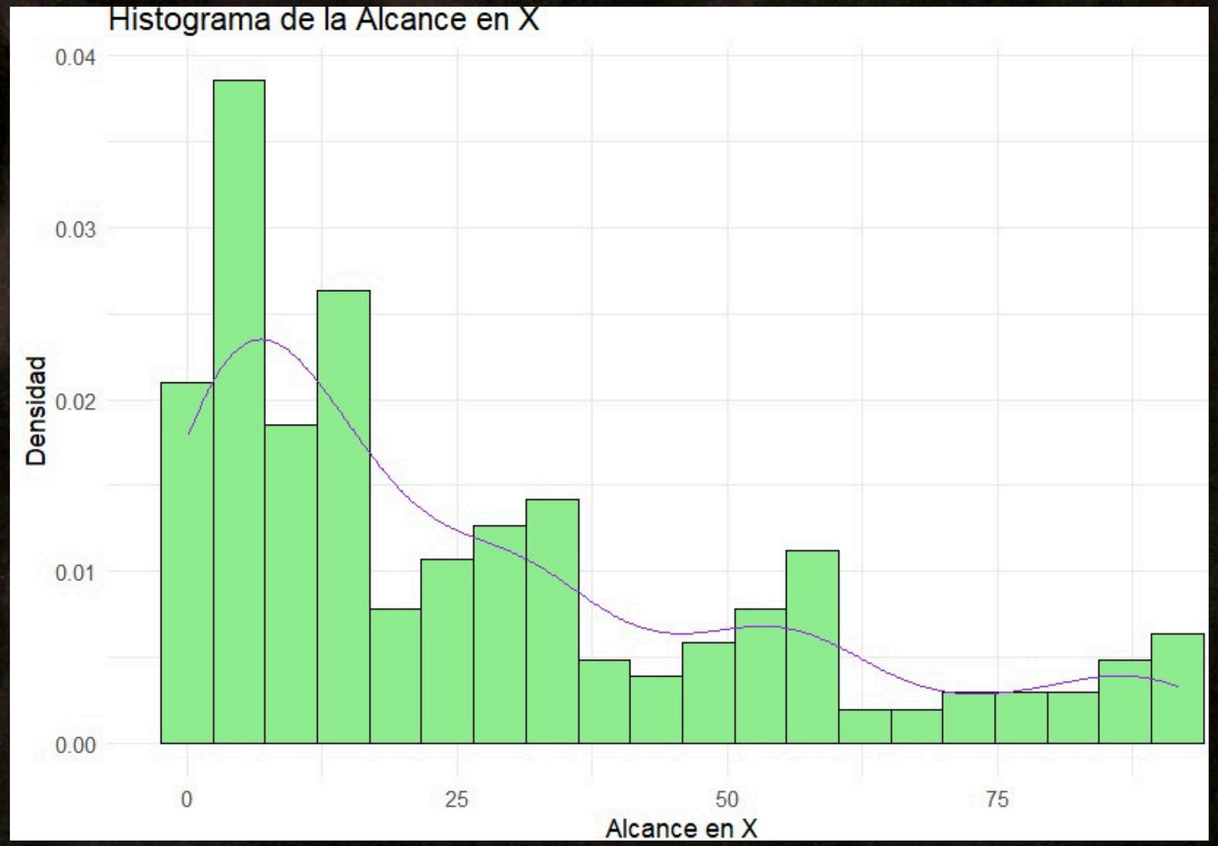
DataSet

Angulo	Velocidad	AlcanceX	AlcanceY	Tiempo total
1	6	0,128072	0,064036	0,021349
1	12	0,512286	0,256143	0,042697
1	18	1,152644	0,576322	0,064046
1	24	2,049145	1,024572	0,085394
1	30	3,201789	1,600894	0,106743
2	6	0,255987	0,127994	0,042691
2	12	1,023948	0,511974	0,085381
2	18	2,303884	1,151942	0,128072
2	24	4,095793	2,047896	0,170762
2	30	6,399676	3,199838	0,213453
3	6	0,383591	0,191795	0,06402
3	12	1,534363	0,767181	0,128039
3	18	3,452316	1,726158	0,192059
3	24	6,137451	3,068726	0,256078
3	30	9,589767	4,794884	0,320098
4	6	0,510727	0,255363	0,085329
4	12	2,042908	1,021454	0,170658
4	18	4,596543	2,298271	0,255987
4	24	8,171632	4,085816	0,341316
4	30	12,76817	6,384087	0,426645
5	6	0,637241	0,318621	0,106613
5	12	2,548964	1,274482	0,213225
5	18	5,735169	2,867585	0,319838
5	24	10,19586	5,097928	0,42645
5	30	15,93103	7,965513	0,533063
6	6	0,762979	0,381489	0,127864
6	12	3,051915	1,525957	0,255727
6	18	6,866808	3,433404	0,383591
6	24	12,20766	6,103829	0,511454

DATOS ESTADÍSTICOS (MODA, MEDIA, MEDIANA, DESVIACIÓN ESTÁNDAR)

```
> setwd("C:/Users/jos_e/Desktop/asdasd")
> datos <- read.csv("estadistica11.csv",header=TRUE, sep= ";",dec=",")
> summary(datos)
     Angulo      Velocidad      AlcanceX          AlcanceY          Tiempo.total
 Min.   : 1   Min.   : 6   Min.   : 0.1281   Min.   : 0.06404   Min.   :0.02135
 1st Qu.:22   1st Qu.:12   1st Qu.: 5.0205   1st Qu.: 2.51024   1st Qu.:0.95064
 Median :43   Median :18   Median :16.5138   Median : 8.25688   Median :1.99015
 Mean   :43   Mean   :18   Mean   :27.0419   Mean   :13.52094   Mean   :2.27950
 3rd Qu.:64   3rd Qu.:24   3rd Qu.:42.2365   3rd Qu.:21.11823   3rd Qu.:3.45985
 Max.   :85   Max.   :30   Max.   :91.7431   Max.   :45.87156   Max.   :6.09293
> View (datos)
> attach(datos)
> #Calcule el mínimo, máximo, rango y defina la amplitud
> min(AlcanceX)
[1] 0.1280715
> max(AlcanceX)
[1] 91.74312
> range(AlcanceX)
[1]  0.1280715 91.7431193
> diff(range(AlcanceX))
[1] 91.61505
> datos$AlcanceXCut<-cut(datos$AlcanceX, c(6,12,18,24,30))
> #Calcule la media, mediana y moda
> mean(AlcanceX)
[1] 27.04188
> median(AlcanceX)
[1] 16.51376
```

HISTOGRAMAS



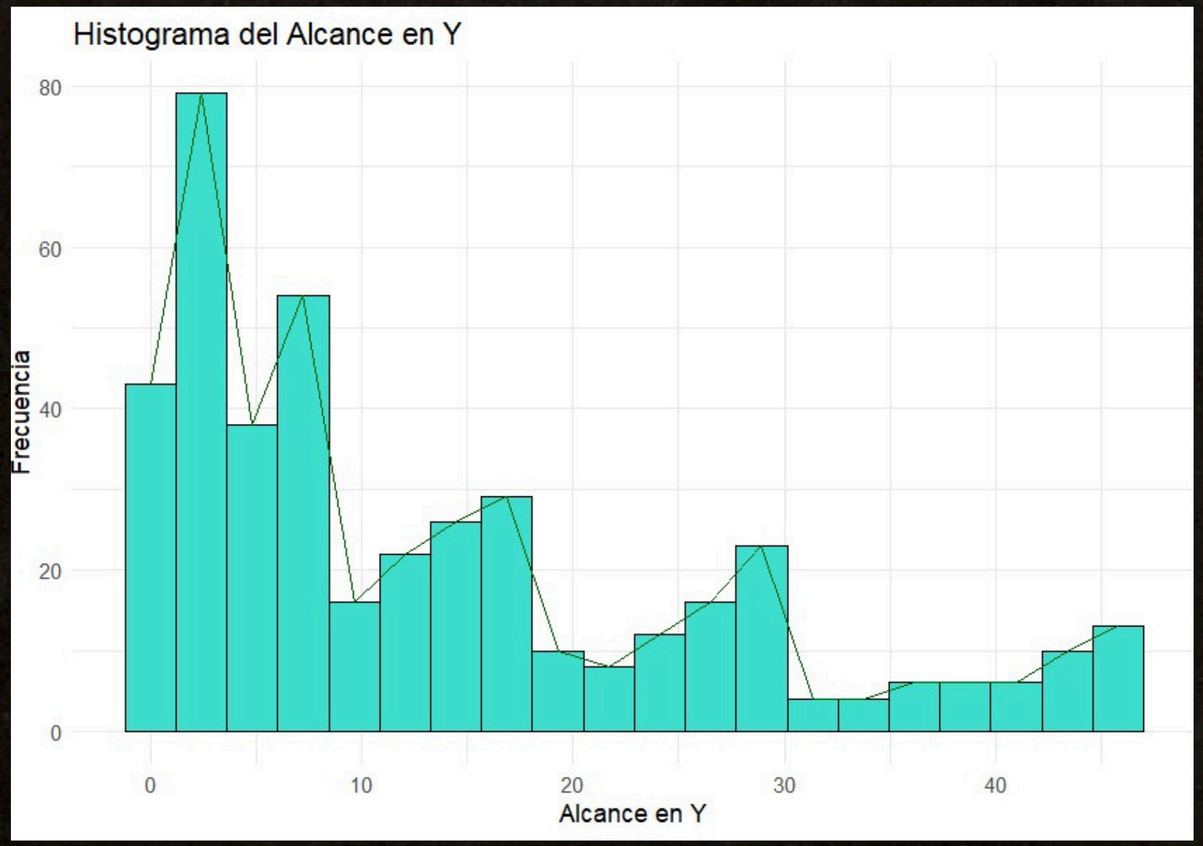
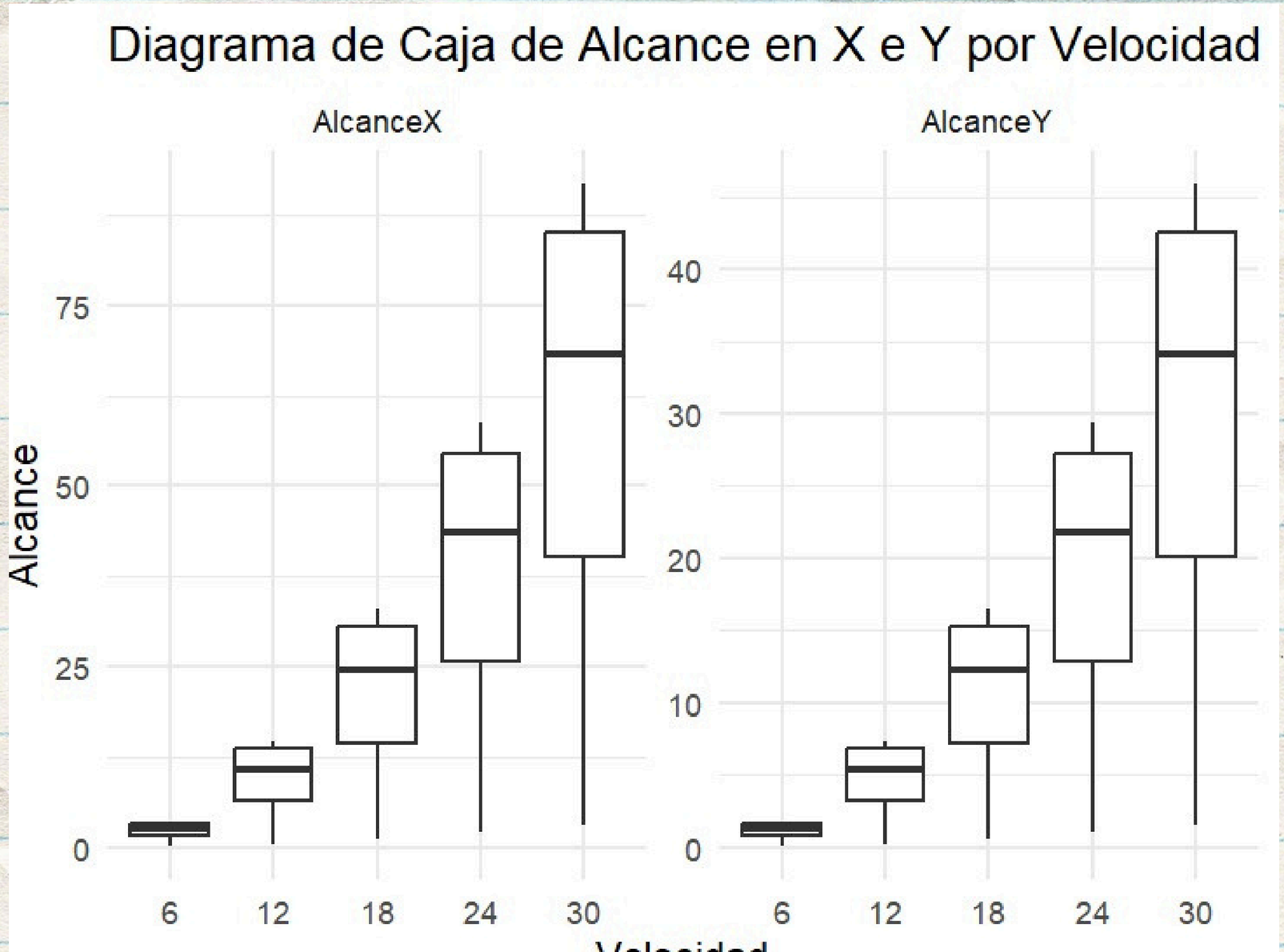
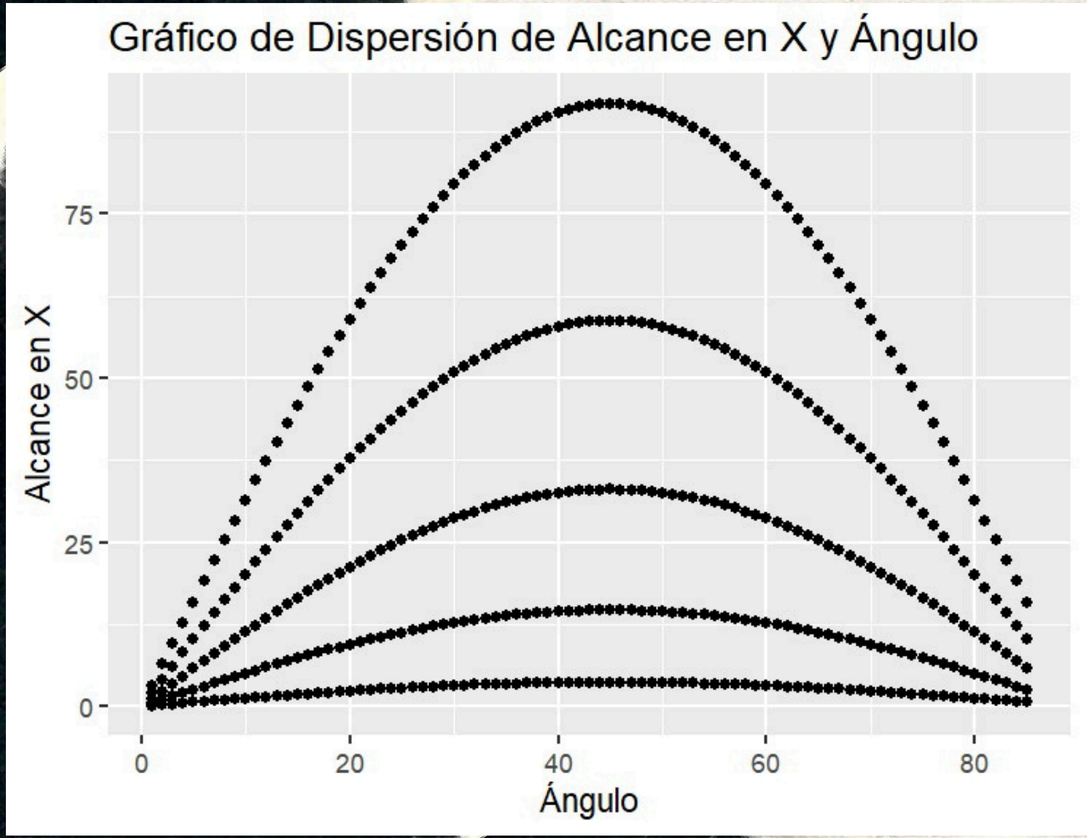
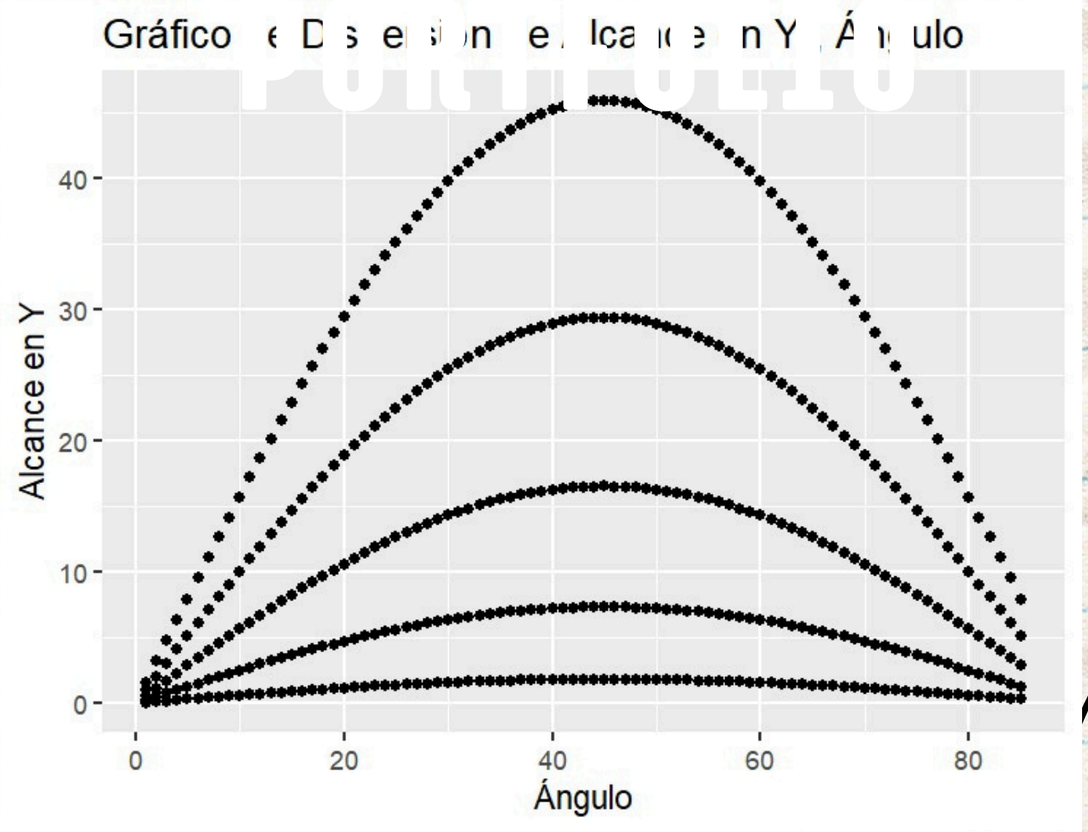


DIAGRAMA DE CAJAS

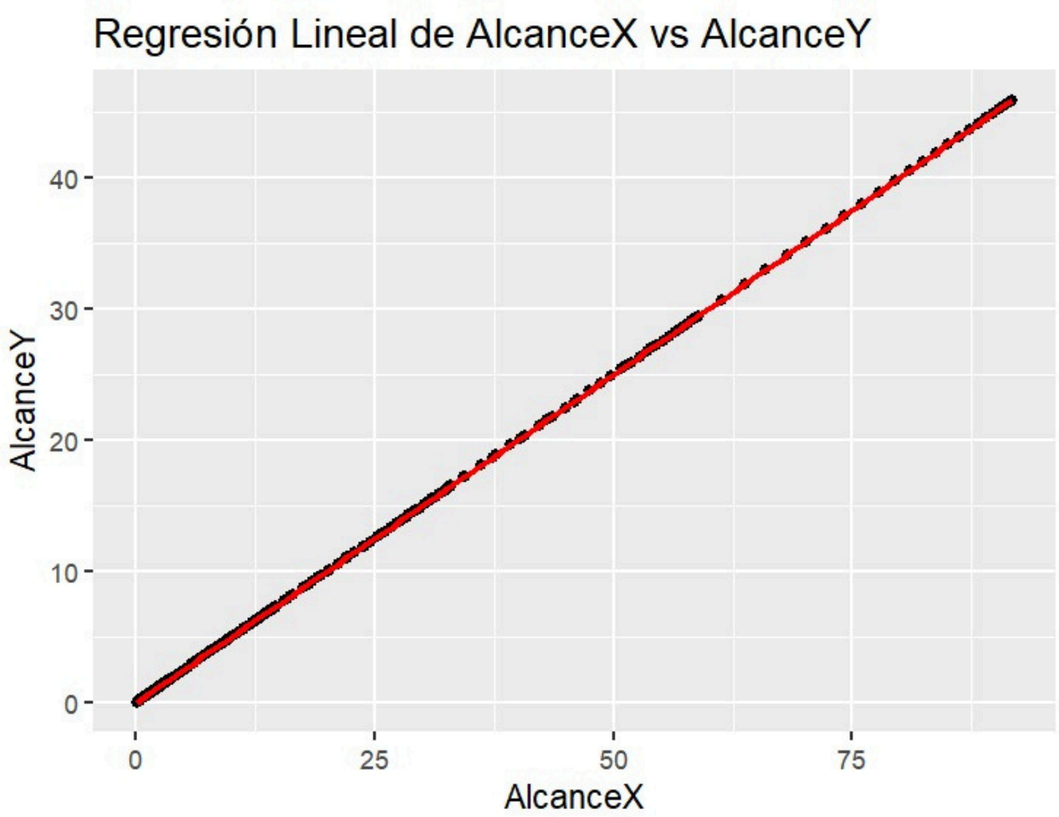


Graficos de Dispersion





REGRESIÓN LINEAL



Gracias por su atención