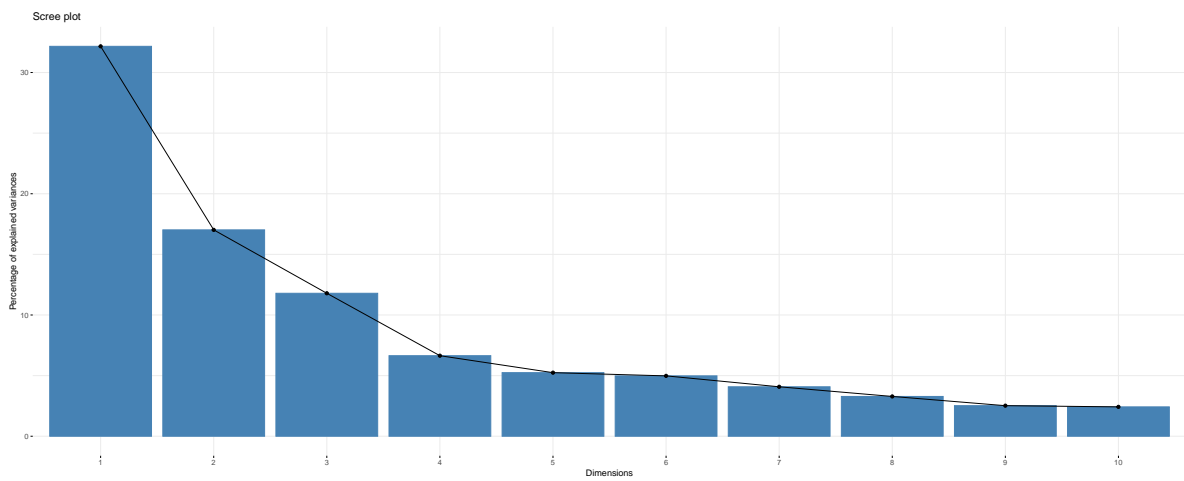
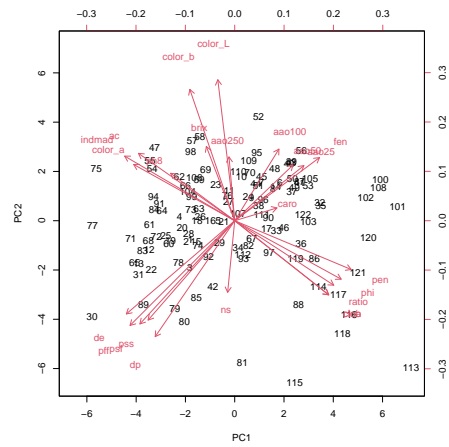
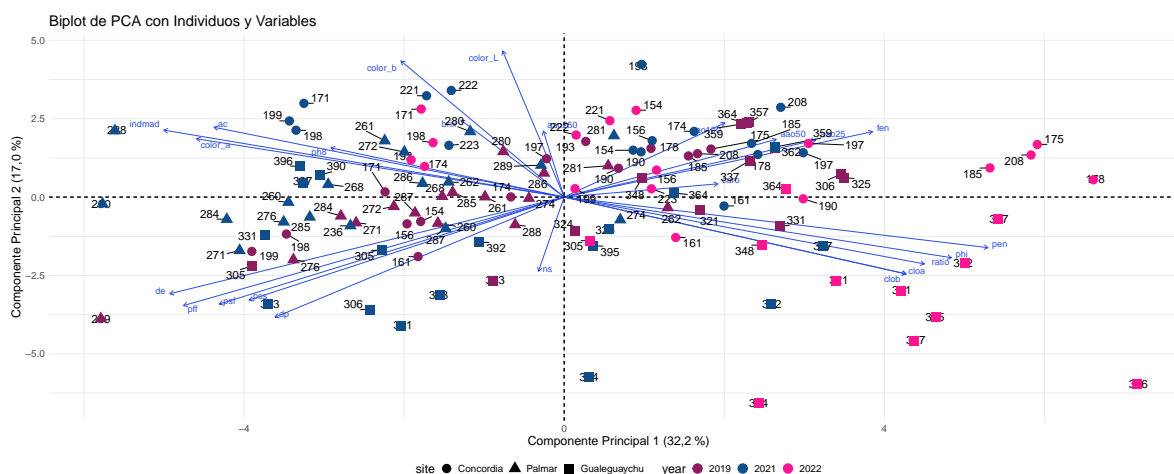
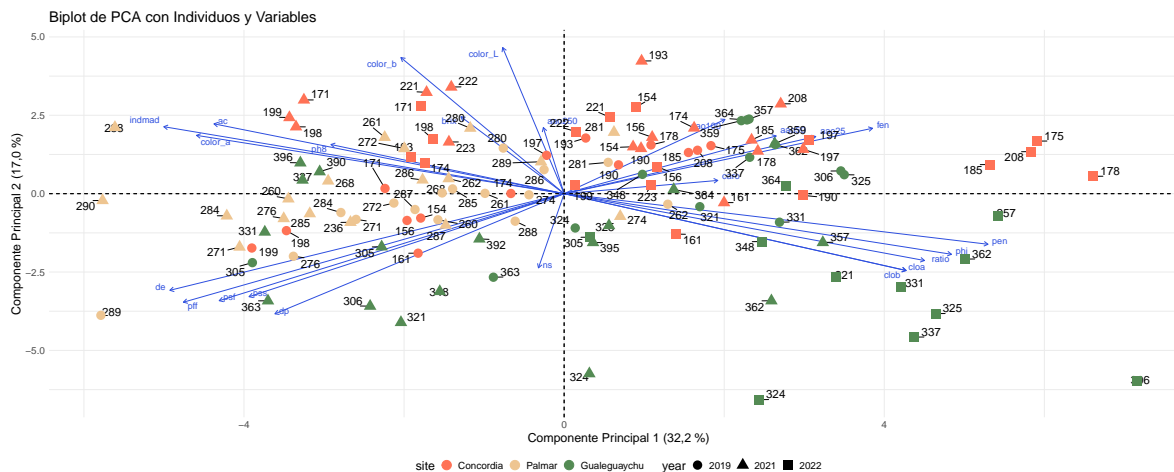


Análisis multivariado

```
## [1] FALSE
```

```
## [1] FALSE
```





```
##      pen      indmad      de      phi      pff      color_a      ratio      ac      psf
## 8.70827124 7.76789015 7.53413101 7.27058886 7.02575009 6.54985768 6.29330913 5.94357995 5.76768814 5
##      ph8      aao50      color_b      aao100      caro      brix      color_L      ns      aao250
## 2.63564975 2.18002277 1.29162007 1.25386278 1.14500902 0.51619777 0.18318633 0.03196175 0.02097578

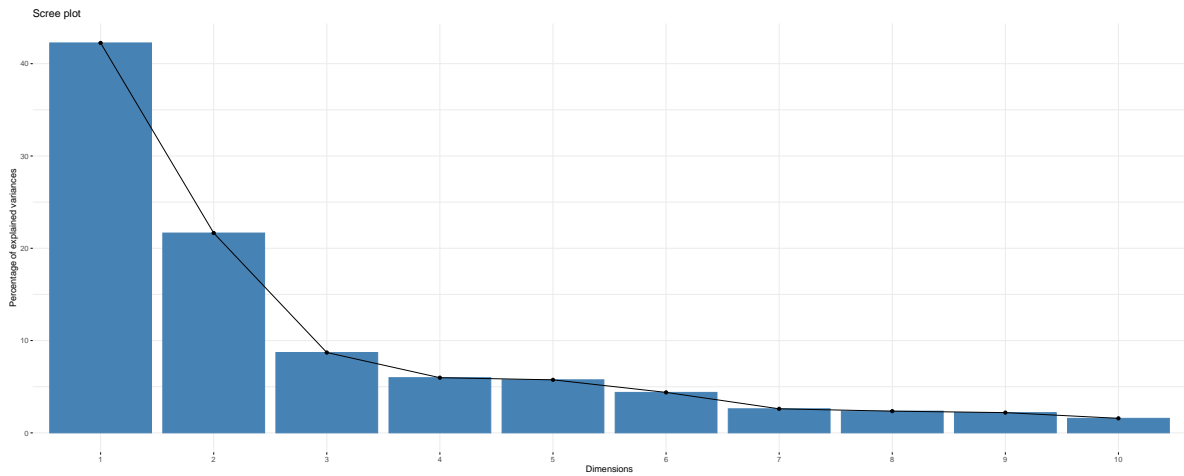
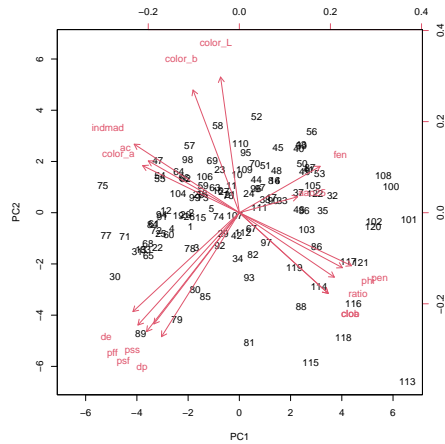
##      color_L      color_b      dp      pff      psf      pss      de      brix      cloa
## 12.7458133 11.0571486 8.6185104 7.0304350 6.8346191 6.3341881 5.5738117 3.5306837 3.5237796
##      aao250      fen      phi      color_a      aao50      aao25      pen      ph8      caro
## 2.6095983 2.5532503 2.1928534 2.0297828 1.9890855 1.9473648 1.5279107 1.4417688 0.1045918
```

Supresión de variables

```
##      pff      de color_L      dp      psf color_b      pss      indmad      pen      phi      clob      cloa      ra
## 14.06 13.10 12.93 12.67 12.60 12.35 11.14 10.45 10.24 9.46 9.19 9.18 8
##      ns      aao250      caro
## 3.32 2.63 1.25
```

```
## [1] FALSE
```

```
## [1] FALSE
```

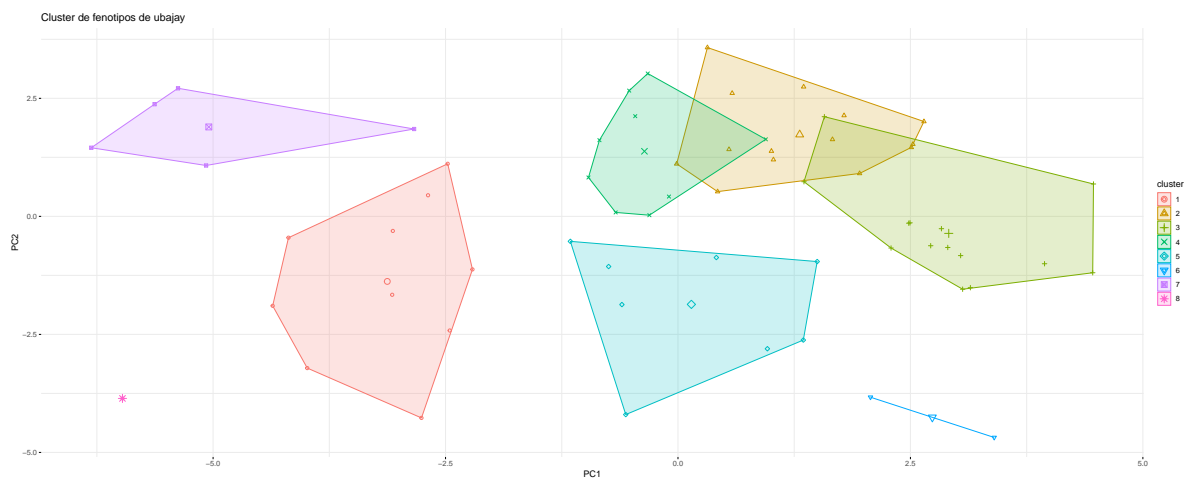


```
## Error in `geom_text_repel()` :
## ! Problem while computing aesthetics.
## i Error occurred in the 8th layer.
## Caused by error:
## ! objeto 'phenotype' no encontrado
```

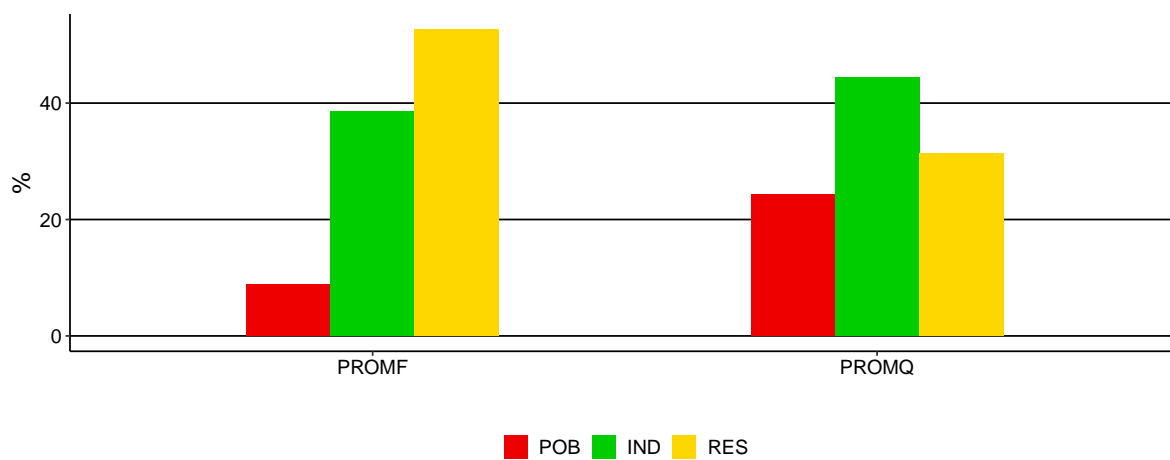
```
## Error in `geom_text_repel()` :
## ! Problem while computing aesthetics.
## i Error occurred in the 8th layer.
## Caused by error:
## ! objeto 'phenotype' no encontrado
```

```
##      pen      de  indmad    phi    pff  color_a    ratio    psf      ac      clob
## 9.4979398 8.5296807 8.3292185 8.0039985 7.7488815 7.0460675 6.7995607 6.4859841 6.2437314 5.9496840

##      color_L      dp    color_b    psf    pff      pss      de      cloa      clob    indmad
## 13.861935 11.580254 11.336556 10.648967 9.504779 9.320923 7.367315 4.905522 4.903379 3.536766
```



Análisis univariado



- QUIM chemical variables
- FIS physical variables
- PFF Peso fresco del fruto
- DE Diámetro ecuatorial
- DP Diámetro polar
- PEN Resistencia a la penetración
- PSF Peso seco del fruto
- PSS Peso seco semilla
- IM Índice de madurez
- AAO Actividad Anti Oxidante
- CAR Carotenoides

- CLOA Clorofila a
- CLOB Clorofila b
- PHE Fenoles totales
- TSS Solidos solubles totales
- TTA Acidez Total Titulable
- POB population
- IND phenotype
- RES residual