

# Rapport modèles linéaires généralisés et Choix de modèles

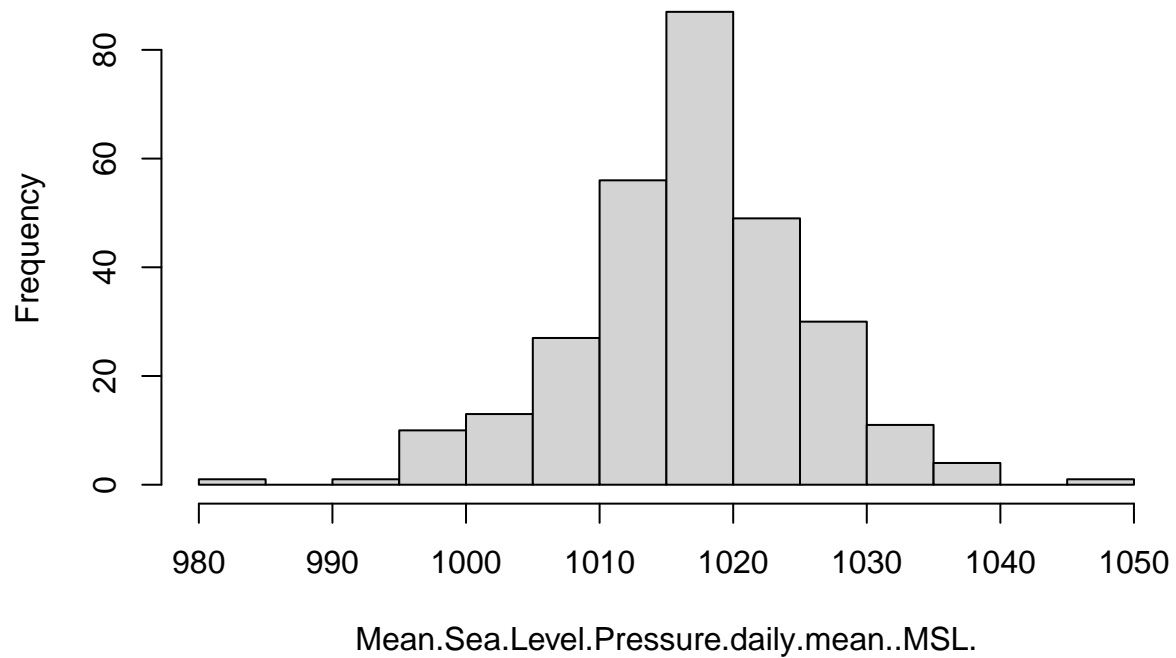
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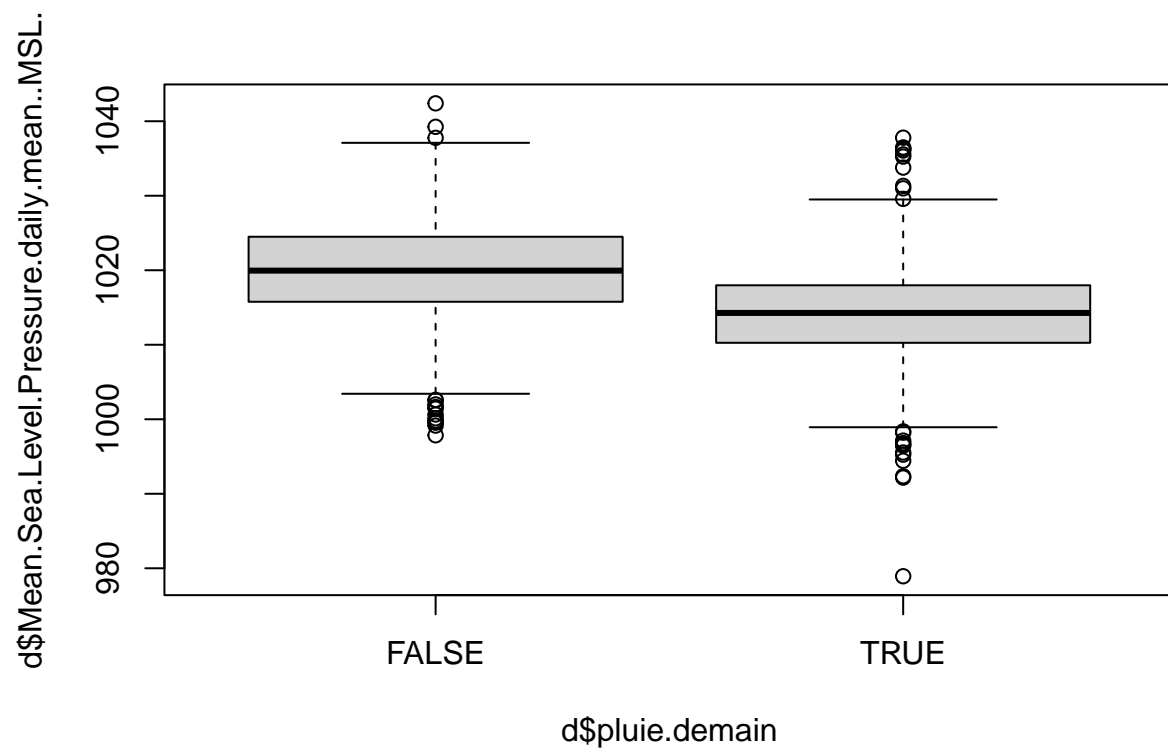
## analyses descriptives

```
hist(Mean.Sea.Level.Pressure.daily.mean..MSL.)
```

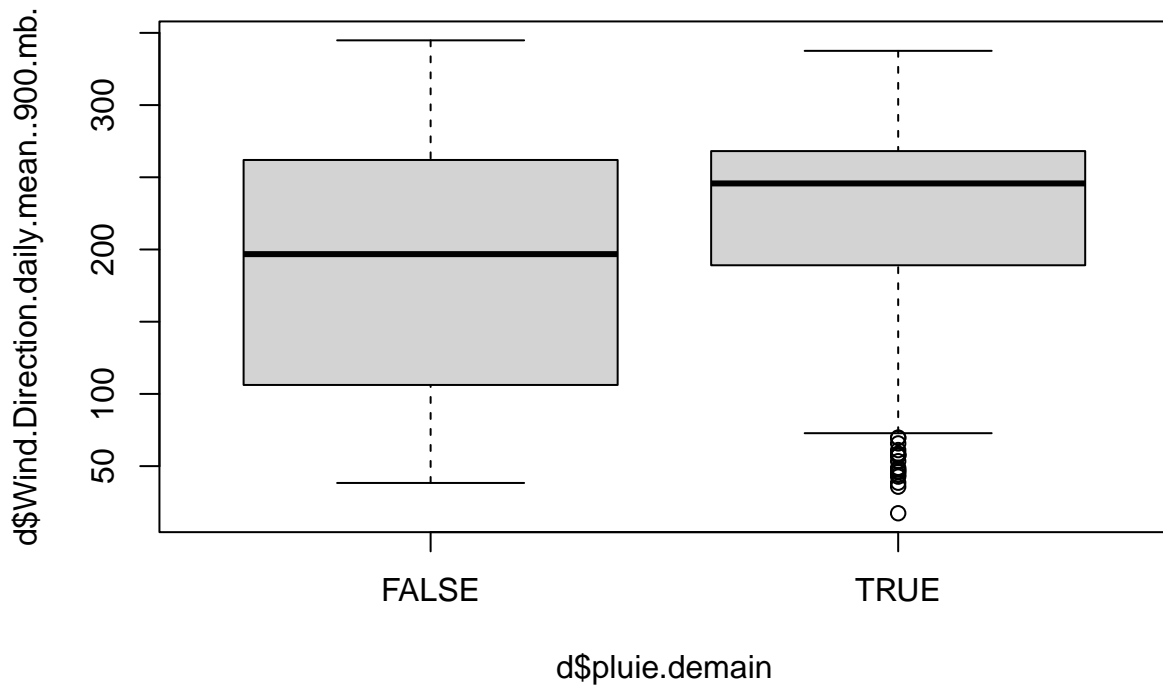
**Histogram of Mean.Sea.Level.Pressure.daily.mean..MSL.**



```
boxplot(d$Mean.Sea.Level.Pressure.daily.mean..MSL. ~ d$pluie.demain)
```



```
boxplot(d$Wind.Direction.daily.mean..900.mb. ~ d$pluie.demain)
```



On estime les paramètres beta, en utilisant uniquement la base d'entraînement:d

```
## Warning in predict.lm(object, newdata, se.fit, scale = 1, type = if (type == :
## les prédictions venant d'un modèle de rang faible peuvent être trompeuses
```

```
##
##      FALSE TRUE
## FALSE  421  158
## TRUE   137  464
```

```
## [1] 0.25
```

matrice de confusion est de 25%

```
# choix automatique de modèle
m2=step(m1)
```

```
## Start: AIC=1322.4
## pluie.demain ~ X + Year + Month + Day + Hour + Minute + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
```

```

## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Step: AIC=1322.4
## pluie.demain ~ X + Year + Month + Day + Hour + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Step: AIC=1322.4
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +

```

```

## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Df Deviance AIC
## - Relative.Humidity.daily.max..2.m.above.gnd. 1 1232.4 1320.4
## - Low.Cloud.Cover.daily.min..low.cld.lay. 1 1232.4 1320.4
## - Temperature.daily.max..2.m.above.gnd. 1 1232.4 1320.4
## - Wind.Speed.daily.max..80.m.above.gnd. 1 1232.4 1320.4
## - Wind.Gust.daily.min..sfc. 1 1232.4 1320.4
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1320.5
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.5 1320.5
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.5 1320.5
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.6 1320.6
## - Day 1 1232.6 1320.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.6 1320.6
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.6 1320.6
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1320.7
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.7 1320.7
## - Wind.Gust.daily.mean..sfc. 1 1232.7 1320.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.7 1320.7
## - Year 1 1232.7 1320.7
## - X 1 1232.7 1320.7
## - Month 1 1232.7 1320.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1232.8 1320.8
## - Total.Cloud.Cover.daily.max..sfc. 1 1232.9 1320.9
## - Wind.Speed.daily.mean..900.mb. 1 1232.9 1320.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.1 1321.1
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1321.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.3 1321.3
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.4 1321.4
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.4 1321.4
## - Wind.Speed.daily.max..900.mb. 1 1233.6 1321.6
## - Temperature.daily.mean..2.m.above.gnd. 1 1233.7 1321.7
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1233.8 1321.8
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.0 1322.0
## - Total.Cloud.Cover.daily.min..sfc. 1 1234.0 1322.0
## - Wind.Gust.daily.max..sfc. 1 1234.0 1322.0
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.2 1322.2
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.3 1322.3
## <none> 1232.4 1322.4
## - Temperature.daily.min..2.m.above.gnd. 1 1234.8 1322.8
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.0 1323.0
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1235.0 1323.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.2 1324.2

```

```

## - Wind.Speed.daily.min..10.m.above.gnd.      1    1239.5 1327.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1    1244.7 1332.7
## - Wind.Direction.daily.mean..900.mb.         1    1246.7 1334.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1    1247.0 1335.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1    1252.9 1340.9
##
## Step: AIC=1320.4
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
##   Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + High.Cloud.Cover.daily.min..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Low.Cloud.Cover.daily.min..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.max..80.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Speed.daily.min..900.mb. +
##   Wind.Gust.daily.max..sfc. + Wind.Gust.daily.min..sfc.
##
##
##                                     Df Deviance    AIC
## - Low.Cloud.Cover.daily.min..low.cld.lay.      1    1232.4 1318.4
## - Temperature.daily.max..2.m.above.gnd.         1    1232.4 1318.4
## - Wind.Speed.daily.max..80.m.above.gnd.          1    1232.4 1318.4
## - Wind.Gust.daily.min..sfc.                     1    1232.4 1318.4
## - Wind.Speed.daily.min..900.mb.                  1    1232.5 1318.5
## - High.Cloud.Cover.daily.min..high.cld.lay.     1    1232.5 1318.5
## - Shortwave.Radiation.daily.sum..sfc.            1    1232.6 1318.6
## - Relative.Humidity.daily.min..2.m.above.gnd.   1    1232.6 1318.6
## - Day                                             1    1232.6 1318.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay.      1    1232.6 1318.6
## - High.Cloud.Cover.daily.mean..high.cld.lay.    1    1232.6 1318.6
## - Sunshine.Duration.daily.sum..sfc.             1    1232.7 1318.7
## - Wind.Speed.daily.mean..10.m.above.gnd.        1    1232.7 1318.7
## - Wind.Gust.daily.mean..sfc.                    1    1232.7 1318.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.    1    1232.7 1318.7
## - Year                                           1    1232.7 1318.7
## - X                                             1    1232.7 1318.7
## - Month                                          1    1232.7 1318.7
## - Total.Cloud.Cover.daily.max..sfc.             1    1232.9 1318.9
## - Wind.Speed.daily.mean..900.mb.                1    1232.9 1318.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.   1    1233.1 1319.1
## - Low.Cloud.Cover.daily.max..low.cld.lay.       1    1233.2 1319.2
## - Total.Precipitation.daily.sum..sfc.           1    1233.3 1319.3
## - Total.Cloud.Cover.daily.mean..sfc.            1    1233.4 1319.4
## - Relative.Humidity.daily.mean..2.m.above.gnd.  1    1233.4 1319.4

```

```

## - Wind.Direction.daily.mean..10.m.above.gnd.      1    1233.4 1319.4
## - Wind.Speed.daily.max..900.mb.                    1    1233.6 1319.6
## - Temperature.daily.mean..2.m.above.gnd.           1    1233.7 1319.7
## - High.Cloud.Cover.daily.max..high.cld.lay.        1    1233.8 1319.8
## - Wind.Speed.daily.min..80.m.above.gnd.             1    1234.0 1320.0
## - Total.Cloud.Cover.daily.min..sfc.                1    1234.0 1320.0
## - Wind.Gust.daily.max..sfc.                        1    1234.0 1320.0
## - Wind.Speed.daily.mean..80.m.above.gnd.           1    1234.2 1320.2
## - Snowfall.amount.raw.daily.sum..sfc.              1    1234.3 1320.3
## <none>                                              1232.4 1320.4
## - Temperature.daily.min..2.m.above.gnd.            1    1235.0 1321.0
## - Wind.Direction.daily.mean..80.m.above.gnd.        1    1235.0 1321.0
## - Wind.Speed.daily.max..10.m.above.gnd.            1    1235.0 1321.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.        1    1236.2 1322.2
## - Wind.Speed.daily.min..10.m.above.gnd.            1    1239.5 1325.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.           1    1244.7 1330.7
## - Wind.Direction.daily.mean..900.mb.               1    1246.7 1332.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL.          1    1247.0 1333.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.          1    1252.9 1338.9
##
## Step: AIC=1318.4
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
##   Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + High.Cloud.Cover.daily.min..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
##   Wind.Gust.daily.min..sfc.
##
##
##                                     Df Deviance    AIC
## - Temperature.daily.max..2.m.above.gnd.      1    1232.4 1316.4
## - Wind.Speed.daily.max..80.m.above.gnd.        1    1232.4 1316.4
## - Wind.Gust.daily.min..sfc.                    1    1232.4 1316.4
## - Wind.Speed.daily.min..900.mb.                1    1232.5 1316.5
## - High.Cloud.Cover.daily.min..high.cld.lay.    1    1232.5 1316.5
## - Shortwave.Radiation.daily.sum..sfc.          1    1232.6 1316.6
## - Relative.Humidity.daily.min..2.m.above.gnd.  1    1232.6 1316.6
## - Day                                           1    1232.6 1316.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay.     1    1232.6 1316.6
## - High.Cloud.Cover.daily.mean..high.cld.lay.   1    1232.6 1316.6
## - Sunshine.Duration.daily.sum..sfc.            1    1232.7 1316.7

```

```

## - Wind.Speed.daily.mean..10.m.above.gnd.      1  1232.7 1316.7
## - Wind.Gust.daily.mean..sfc.                  1  1232.7 1316.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.   1  1232.7 1316.7
## - Year                                          1  1232.7 1316.7
## - X                                             1  1232.7 1316.7
## - Month                                        1  1232.7 1316.7
## - Total.Cloud.Cover.daily.max..sfc.           1  1232.9 1316.9
## - Wind.Speed.daily.mean..900.mb.              1  1232.9 1316.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.  1  1233.2 1317.2
## - Low.Cloud.Cover.daily.max..low.cld.lay.      1  1233.2 1317.2
## - Total.Precipitation.daily.sum..sfc.          1  1233.4 1317.4
## - Total.Cloud.Cover.daily.mean..sfc.           1  1233.4 1317.4
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1233.4 1317.4
## - Wind.Direction.daily.mean..10.m.above.gnd.   1  1233.4 1317.4
## - Wind.Speed.daily.max..900.mb.               1  1233.6 1317.6
## - Temperature.daily.mean..2.m.above.gnd.       1  1233.7 1317.7
## - High.Cloud.Cover.daily.max..high.cld.lay.    1  1233.8 1317.8
## - Wind.Gust.daily.max..sfc.                   1  1234.0 1318.0
## - Wind.Speed.daily.min..80.m.above.gnd.        1  1234.0 1318.0
## - Wind.Speed.daily.mean..80.m.above.gnd.       1  1234.2 1318.2
## - Snowfall.amount.raw.daily.sum..sfc.          1  1234.3 1318.3
## <none>                                         1232.4 1318.4
## - Temperature.daily.min..2.m.above.gnd.       1  1235.0 1319.0
## - Wind.Direction.daily.mean..80.m.above.gnd.   1  1235.0 1319.0
## - Wind.Speed.daily.max..10.m.above.gnd.        1  1235.0 1319.0
## - Total.Cloud.Cover.daily.min..sfc.            1  1235.4 1319.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.   1  1236.3 1320.3
## - Wind.Speed.daily.min..10.m.above.gnd.        1  1239.5 1323.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.      1  1244.7 1328.7
## - Wind.Direction.daily.mean..900.mb.          1  1246.7 1330.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1  1247.0 1331.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.      1  1253.0 1337.0
##
## Step: AIC=1316.41
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.max..80.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Speed.daily.min..900.mb. +
##   Wind.Gust.daily.max..sfc. + Wind.Gust.daily.min..sfc.
##

```



	Df	Deviance	AIC
##			
## - Wind.Speed.daily.max..80.m.above.gnd.	1	1232.4	1314.4
## - Wind.Gust.daily.min..sfc.	1	1232.5	1314.5
## - Wind.Speed.daily.min..900.mb.	1	1232.5	1314.5
## - High.Cloud.Cover.daily.min..high.cld.lay.	1	1232.5	1314.5
## - Relative.Humidity.daily.min..2.m.above.gnd.	1	1232.6	1314.6
## - Shortwave.Radiation.daily.sum..sfc.	1	1232.6	1314.6
## - Day	1	1232.6	1314.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay.	1	1232.6	1314.6
## - High.Cloud.Cover.daily.mean..high.cld.lay.	1	1232.6	1314.6
## - Wind.Speed.daily.mean..10.m.above.gnd.	1	1232.7	1314.7
## - Sunshine.Duration.daily.sum..sfc.	1	1232.7	1314.7
## - Wind.Gust.daily.mean..sfc.	1	1232.7	1314.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.	1	1232.7	1314.7
## - Year	1	1232.7	1314.7
## - X	1	1232.7	1314.7
## - Month	1	1232.7	1314.7
## - Total.Cloud.Cover.daily.max..sfc.	1	1232.9	1314.9
## - Wind.Speed.daily.mean..900.mb.	1	1232.9	1314.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.	1	1233.2	1315.2
## - Low.Cloud.Cover.daily.max..low.cld.lay.	1	1233.2	1315.2
## - Total.Precipitation.daily.sum..sfc.	1	1233.4	1315.4
## - Total.Cloud.Cover.daily.mean..sfc.	1	1233.4	1315.4
## - Relative.Humidity.daily.mean..2.m.above.gnd.	1	1233.4	1315.4
## - Wind.Direction.daily.mean..10.m.above.gnd.	1	1233.4	1315.4
## - Wind.Speed.daily.max..900.mb.	1	1233.6	1315.6
## - High.Cloud.Cover.daily.max..high.cld.lay.	1	1233.8	1315.8
## - Wind.Gust.daily.max..sfc.	1	1234.0	1316.0
## - Wind.Speed.daily.min..80.m.above.gnd.	1	1234.0	1316.0
## - Wind.Speed.daily.mean..80.m.above.gnd.	1	1234.2	1316.2
## - Snowfall.amount.raw.daily.sum..sfc.	1	1234.3	1316.3
## <none>		1232.4	1316.4
## - Wind.Direction.daily.mean..80.m.above.gnd.	1	1235.0	1317.0
## - Wind.Speed.daily.max..10.m.above.gnd.	1	1235.1	1317.1
## - Total.Cloud.Cover.daily.min..sfc.	1	1235.4	1317.4
## - Temperature.daily.min..2.m.above.gnd.	1	1235.9	1317.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.	1	1236.3	1318.3
## - Temperature.daily.mean..2.m.above.gnd.	1	1238.0	1320.0
## - Wind.Speed.daily.min..10.m.above.gnd.	1	1239.5	1321.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.	1	1244.9	1326.9
## - Wind.Direction.daily.mean..900.mb.	1	1247.0	1329.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL.	1	1247.4	1329.4
## - Mean.Sea.Level.Pressure.daily.min..MSL.	1	1253.4	1335.4
##			
## Step: AIC=1314.43			
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +			
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +			
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +			
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +			
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +			
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +			
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +			
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +			
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +			

```

## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Df Deviance AIC
## - Wind.Gust.daily.min..sfc. 1 1232.5 1312.5
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1312.5
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.5 1312.5
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.6 1312.6
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.6 1312.6
## - Day 1 1232.6 1312.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.7 1312.7
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.7 1312.7
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1312.7
## - Wind.Gust.daily.mean..sfc. 1 1232.7 1312.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.7 1312.7
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.7 1312.7
## - Year 1 1232.7 1312.7
## - X 1 1232.7 1312.7
## - Month 1 1232.7 1312.7
## - Total.Cloud.Cover.daily.max..sfc. 1 1232.9 1312.9
## - Wind.Speed.daily.mean..900.mb. 1 1232.9 1312.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.2 1313.2
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1313.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.4 1313.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.4 1313.4
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.5 1313.5
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.5 1313.5
## - Wind.Speed.daily.max..900.mb. 1 1233.6 1313.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1233.9 1313.9
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.2 1314.2
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.3 1314.3
## - Wind.Gust.daily.max..sfc. 1 1234.4 1314.4
## <none> 1232.4 1314.4
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.6 1314.6
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.1 1315.1
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.4 1315.4
## - Temperature.daily.min..2.m.above.gnd. 1 1235.9 1315.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.4 1316.4
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1236.8 1316.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.1 1318.1
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1239.7 1319.7
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1244.9 1324.9
## - Wind.Direction.daily.mean..900.mb. 1 1247.0 1327.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1247.4 1327.4
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1253.5 1333.5
##

```

```

## Step: AIC=1312.47
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1310.5
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.6 1310.6
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.6 1310.6
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.7 1310.7
## - Day 1 1232.7 1310.7
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.7 1310.7
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.7 1310.7
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1310.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.8 1310.8
## - Year 1 1232.8 1310.8
## - X 1 1232.8 1310.8
## - Month 1 1232.8 1310.8
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.8 1310.8
## - Wind.Gust.daily.mean..sfc. 1 1232.9 1310.9
## - Wind.Speed.daily.mean..900.mb. 1 1233.0 1311.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.0 1311.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.2 1311.2
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1311.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.4 1311.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.5 1311.5
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.5 1311.5
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.5 1311.5
## - Wind.Speed.daily.max..900.mb. 1 1233.6 1311.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.0 1312.0
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.2 1312.2
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.4 1312.4
## - Wind.Gust.daily.max..sfc. 1 1234.4 1312.4
## <none> 1232.5 1312.5
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.7 1312.7
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.1 1313.1
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.5 1313.5
## - Temperature.daily.min..2.m.above.gnd. 1 1236.0 1314.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.4 1314.4

```

```

## - Wind.Speed.daily.max..10.m.above.gnd.      1    1236.9 1314.9
## - Temperature.daily.mean..2.m.above.gnd.     1    1238.2 1316.2
## - Wind.Speed.daily.min..10.m.above.gnd.       1    1240.8 1318.8
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1    1244.9 1322.9
## - Wind.Direction.daily.mean..900.mb.         1    1247.0 1325.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL.    1    1247.4 1325.4
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1    1253.5 1331.5
##
## Step: AIC=1310.51
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##
##                                     Df Deviance    AIC
## - High.Cloud.Cover.daily.min..high.cld.lay.      1    1232.6 1308.6
## - Relative.Humidity.daily.min..2.m.above.gnd.     1    1232.7 1308.7
## - Shortwave.Radiation.daily.sum..sfc.             1    1232.7 1308.7
## - Day                                              1    1232.7 1308.7
## - Low.Cloud.Cover.daily.mean..low.cld.lay.        1    1232.7 1308.7
## - High.Cloud.Cover.daily.mean..high.cld.lay.      1    1232.7 1308.7
## - Sunshine.Duration.daily.sum..sfc.               1    1232.8 1308.8
## - Year                                             1    1232.8 1308.8
## - X                                              1    1232.8 1308.8
## - Month                                           1    1232.8 1308.8
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.      1    1232.8 1308.8
## - Wind.Speed.daily.mean..10.m.above.gnd.          1    1232.8 1308.8
## - Wind.Gust.daily.mean..sfc.                     1    1232.9 1308.9
## - Total.Cloud.Cover.daily.max..sfc.               1    1233.0 1309.0
## - Wind.Speed.daily.mean..900.mb.                  1    1233.2 1309.2
## - Low.Cloud.Cover.daily.max..low.cld.lay.         1    1233.3 1309.3
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.     1    1233.3 1309.3
## - Total.Precipitation.daily.sum..sfc.             1    1233.5 1309.5
## - Total.Cloud.Cover.daily.mean..sfc.             1    1233.5 1309.5
## - Relative.Humidity.daily.mean..2.m.above.gnd.    1    1233.5 1309.5
## - Wind.Direction.daily.mean..10.m.above.gnd.      1    1233.6 1309.6
## - Wind.Speed.daily.max..900.mb.                   1    1233.8 1309.8
## - High.Cloud.Cover.daily.max..high.cld.lay.      1    1234.0 1310.0
## - Wind.Speed.daily.min..80.m.above.gnd.           1    1234.3 1310.3
## - Snowfall.amount.raw.daily.sum..sfc.            1    1234.4 1310.4

```

```

## - Wind.Gust.daily.max..sfc. 1 1234.5 1310.5
## <none> 1232.5 1310.5
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.7 1310.7
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.2 1311.2
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.6 1311.6
## - Temperature.daily.min..2.m.above.gnd. 1 1236.1 1312.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.4 1312.4
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1237.0 1313.0
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.2 1314.2
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1240.8 1316.8
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1245.1 1321.1
## - Wind.Direction.daily.mean..900.mb. 1 1247.1 1323.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1247.5 1323.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1253.6 1329.6
##
## Step: AIC=1308.6
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
## Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.8 1306.8
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.8 1306.8
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.8 1306.8
## - Day 1 1232.8 1306.8
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.8 1306.8
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.8 1306.8
## - Sunshine.Duration.daily.sum..sfc. 1 1232.9 1306.9
## - Year 1 1232.9 1306.9
## - X 1 1232.9 1306.9
## - Month 1 1232.9 1306.9
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.9 1306.9
## - Wind.Gust.daily.mean..sfc. 1 1233.0 1307.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.1 1307.1
## - Wind.Speed.daily.mean..900.mb. 1 1233.3 1307.3
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.3 1307.3
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.3 1307.3
## - Total.Precipitation.daily.sum..sfc. 1 1233.5 1307.5
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.6 1307.6
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.6 1307.6

```

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## - Wind.Direction.daily.mean..10.m.above.gnd.      1    1233.7 1307.7
## - Wind.Speed.daily.max..900.mb.                    1    1233.8 1307.8
## - High.Cloud.Cover.daily.max..high.cld.lay.       1    1234.0 1308.0
## - Wind.Speed.daily.min..80.m.above.gnd.           1    1234.4 1308.4
## - Snowfall.amount.raw.daily.sum..sfc.             1    1234.5 1308.5
## - Wind.Gust.daily.max..sfc.                       1    1234.6 1308.6
## <none>                                             1232.6 1308.6
## - Wind.Speed.daily.mean..80.m.above.gnd.          1    1234.8 1308.8
## - Wind.Direction.daily.mean..80.m.above.gnd.      1    1235.3 1309.3
## - Total.Cloud.Cover.daily.min..sfc.               1    1235.7 1309.7
## - Temperature.daily.min..2.m.above.gnd.           1    1236.1 1310.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.      1    1236.6 1310.6
## - Wind.Speed.daily.max..10.m.above.gnd.           1    1237.1 1311.1
## - Temperature.daily.mean..2.m.above.gnd.          1    1238.3 1312.3
## - Wind.Speed.daily.min..10.m.above.gnd.           1    1241.0 1315.0
## - Mean.Sea.Level.Pressure.daily.max..MSL.         1    1245.2 1319.2
## - Wind.Direction.daily.mean..900.mb.              1    1247.3 1321.3
## - Mean.Sea.Level.Pressure.daily.mean..MSL.         1    1247.6 1321.6
## - Mean.Sea.Level.Pressure.daily.min..MSL.         1    1253.7 1327.7
##
## Step: AIC=1306.75
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Low.Cloud.Cover.daily.mean..low.cld.lay. + Sunshine.Duration.daily.sum..sfc. +
##   Shortwave.Radiation.daily.sum..sfc. + Wind.Speed.daily.mean..10.m.above.gnd. +
##   Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
##   Wind.Direction.daily.mean..900.mb. + Wind.Gust.daily.mean..sfc. +
##   Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##
##                                     Df Deviance    AIC
## - Low.Cloud.Cover.daily.mean..low.cld.lay.      1    1232.9 1304.9
## - Relative.Humidity.daily.min..2.m.above.gnd.    1    1232.9 1304.9
## - Day                                              1    1232.9 1304.9
## - Shortwave.Radiation.daily.sum..sfc.            1    1233.0 1305.0
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.     1    1233.0 1305.0
## - Year                                             1    1233.0 1305.0
## - X                                               1    1233.0 1305.0
## - Sunshine.Duration.daily.sum..sfc.              1    1233.0 1305.0
## - Month                                           1    1233.0 1305.0
## - Wind.Speed.daily.mean..10.m.above.gnd.         1    1233.1 1305.1
## - Wind.Gust.daily.mean..sfc.                     1    1233.2 1305.2
## - Total.Cloud.Cover.daily.max..sfc.              1    1233.2 1305.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.    1    1233.4 1305.4
## - Wind.Speed.daily.mean..900.mb.                 1    1233.4 1305.4

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## - Low.Cloud.Cover.daily.max..low.cld.lay.      1  1233.5 1305.5
## - Total.Cloud.Cover.daily.mean..sfc.           1  1233.6 1305.6
## - Total.Precipitation.daily.sum..sfc.           1  1233.7 1305.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1233.7 1305.7
## - Wind.Direction.daily.mean..10.m.above.gnd.   1  1233.8 1305.8
## - Wind.Speed.daily.max..900.mb.                 1  1234.0 1306.0
## - High.Cloud.Cover.daily.max..high.cld.lay.    1  1234.1 1306.1
## - Wind.Speed.daily.min..80.m.above.gnd.         1  1234.6 1306.6
## - Snowfall.amount.raw.daily.sum..sfc.           1  1234.6 1306.6
## - Wind.Gust.daily.max..sfc.                     1  1234.7 1306.7
## <none>                                           1232.8 1306.8
## - Wind.Speed.daily.mean..80.m.above.gnd.        1  1234.9 1306.9
## - Wind.Direction.daily.mean..80.m.above.gnd.    1  1235.4 1307.4
## - Total.Cloud.Cover.daily.min..sfc.             1  1235.8 1307.8
## - Temperature.daily.min..2.m.above.gnd.         1  1236.2 1308.2
## - Wind.Speed.daily.max..10.m.above.gnd.         1  1237.3 1309.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.    1  1237.3 1309.3
## - Temperature.daily.mean..2.m.above.gnd.        1  1238.3 1310.3
## - Wind.Speed.daily.min..10.m.above.gnd.         1  1241.2 1313.2
## - Mean.Sea.Level.Pressure.daily.max..MSL.       1  1245.4 1317.4
## - Wind.Direction.daily.mean..900.mb.            1  1247.4 1319.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL.      1  1247.8 1319.8
## - Mean.Sea.Level.Pressure.daily.min..MSL.       1  1253.8 1325.8
##
## Step: AIC=1304.89
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Relative.Humidity.daily.min..2.m.above.gnd. 1  1233.0 1303.0
## - Sunshine.Duration.daily.sum..sfc.            1  1233.1 1303.1
## - Day                                           1  1233.1 1303.1
## - Shortwave.Radiation.daily.sum..sfc.          1  1233.2 1303.2
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.   1  1233.2 1303.2
## - Year                                          1  1233.2 1303.2
## - X                                             1  1233.2 1303.2
## - Month                                        1  1233.2 1303.2
## - Wind.Speed.daily.mean..10.m.above.gnd.       1  1233.2 1303.2
## - Wind.Gust.daily.mean..sfc.                   1  1233.3 1303.3
## - Total.Cloud.Cover.daily.max..sfc.            1  1233.5 1303.5

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## - Wind.Speed.daily.mean..900.mb.          1  1233.5 1303.5
## - Low.Cloud.Cover.daily.max..low.cld.lay.  1  1233.5 1303.5
## - Total.Precipitation.daily.sum..sfc.      1  1233.7 1303.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1233.8 1303.8
## - Total.Cloud.Cover.daily.mean..sfc.      1  1233.9 1303.9
## - Wind.Direction.daily.mean..10.m.above.gnd. 1  1233.9 1303.9
## - Wind.Speed.daily.max..900.mb.           1  1234.1 1304.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1234.1 1304.1
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1234.5 1304.5
## - Wind.Speed.daily.min..80.m.above.gnd.    1  1234.7 1304.7
## - Wind.Gust.daily.max..sfc.                1  1234.8 1304.8
## - Snowfall.amount.raw.daily.sum..sfc.      1  1234.8 1304.8
## <none>                                     1232.9 1304.9
## - Wind.Speed.daily.mean..80.m.above.gnd.   1  1235.0 1305.0
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1235.5 1305.5
## - Total.Cloud.Cover.daily.min..sfc.        1  1235.8 1305.8
## - Temperature.daily.min..2.m.above.gnd.    1  1236.3 1306.3
## - Wind.Speed.daily.max..10.m.above.gnd.    1  1237.4 1307.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1237.5 1307.5
## - Temperature.daily.mean..2.m.above.gnd.   1  1238.4 1308.4
## - Wind.Speed.daily.min..10.m.above.gnd.    1  1241.2 1311.2
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1245.6 1315.6
## - Wind.Direction.daily.mean..900.mb.       1  1247.5 1317.5
## - Mean.Sea.Level.Pressure.daily.mean..MSL.  1  1248.2 1318.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1254.5 1324.5
##
## Step: AIC=1303.04
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Day                             1  1233.3 1301.3
## - Sunshine.Duration.daily.sum..sfc. 1  1233.3 1301.3
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1  1233.3 1301.3
## - Shortwave.Radiation.daily.sum..sfc. 1  1233.3 1301.3
## - Year                             1  1233.4 1301.4
## - X                               1  1233.4 1301.4
## - Month                           1  1233.4 1301.4
## - Wind.Speed.daily.mean..10.m.above.gnd. 1  1233.4 1301.4
## - Wind.Gust.daily.mean..sfc.        1  1233.5 1301.5

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## - Wind.Speed.daily.mean..900.mb.          1  1233.7 1301.7
## - Total.Cloud.Cover.daily.max..sfc.        1  1233.7 1301.7
## - Low.Cloud.Cover.daily.max..low.cld.lay.   1  1233.7 1301.7
## - Total.Precipitation.daily.sum..sfc.       1  1233.8 1301.8
## - Total.Cloud.Cover.daily.mean..sfc.       1  1234.0 1302.0
## - Wind.Direction.daily.mean..10.m.above.gnd. 1  1234.1 1302.1
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1234.2 1302.2
## - Wind.Speed.daily.max..900.mb.            1  1234.2 1302.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1234.2 1302.2
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1234.7 1302.7
## - Wind.Gust.daily.max..sfc.                1  1234.9 1302.9
## - Wind.Speed.daily.min..80.m.above.gnd.     1  1234.9 1302.9
## - Snowfall.amount.raw.daily.sum..sfc.       1  1234.9 1302.9
## <none>                                     1233.0 1303.0
## - Wind.Speed.daily.mean..80.m.above.gnd.    1  1235.1 1303.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1235.8 1303.8
## - Total.Cloud.Cover.daily.min..sfc.         1  1235.9 1303.9
## - Temperature.daily.min..2.m.above.gnd.     1  1236.9 1304.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1237.5 1305.5
## - Wind.Speed.daily.max..10.m.above.gnd.     1  1237.8 1305.8
## - Temperature.daily.mean..2.m.above.gnd.    1  1239.0 1307.0
## - Wind.Speed.daily.min..10.m.above.gnd.     1  1241.6 1309.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1245.9 1313.9
## - Wind.Direction.daily.mean..900.mb.        1  1247.6 1315.6
## - Mean.Sea.Level.Pressure.daily.mean..MSL.   1  1248.7 1316.7
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1255.0 1323.0
##
## Step: AIC=1301.27
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Shortwave.Radiation.daily.sum..sfc.          1  1233.5 1299.5
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.    1  1233.6 1299.6
## - Sunshine.Duration.daily.sum..sfc.             1  1233.6 1299.6
## - Wind.Speed.daily.mean..10.m.above.gnd.        1  1233.6 1299.6
## - Wind.Gust.daily.mean..sfc.                   1  1233.7 1299.7
## - Total.Cloud.Cover.daily.max..sfc.            1  1233.9 1299.9
## - Wind.Speed.daily.mean..900.mb.                1  1233.9 1299.9
## - Low.Cloud.Cover.daily.max..low.cld.lay.       1  1233.9 1299.9

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## - Total.Precipitation.daily.sum..sfc.      1  1234.0 1300.0
## - Total.Cloud.Cover.daily.mean..sfc.      1  1234.3 1300.3
## - Wind.Direction.daily.mean..10.m.above.gnd. 1  1234.3 1300.3
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1234.5 1300.5
## - Wind.Speed.daily.max..900.mb.           1  1234.5 1300.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1234.5 1300.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1234.9 1300.9
## - Snowfall.amount.raw.daily.sum..sfc.      1  1235.1 1301.1
## - Wind.Speed.daily.min..80.m.above.gnd.    1  1235.1 1301.1
## - Wind.Gust.daily.max..sfc.                1  1235.2 1301.2
## <none>                                     1233.3 1301.3
## - Year                                     1  1235.4 1301.4
## - Wind.Speed.daily.mean..80.m.above.gnd.   1  1235.4 1301.4
## - X                                         1  1235.5 1301.5
## - Month                                    1  1235.7 1301.7
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1236.0 1302.0
## - Total.Cloud.Cover.daily.min..sfc.        1  1236.0 1302.0
## - Temperature.daily.min..2.m.above.gnd.    1  1237.0 1303.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1237.7 1303.7
## - Wind.Speed.daily.max..10.m.above.gnd.    1  1238.0 1304.0
## - Temperature.daily.mean..2.m.above.gnd.   1  1239.0 1305.0
## - Wind.Speed.daily.min..10.m.above.gnd.    1  1241.7 1307.7
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1246.4 1312.4
## - Wind.Direction.daily.mean..900.mb.       1  1247.8 1313.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL.  1  1249.1 1315.1
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1255.4 1321.4
##
## Step: AIC=1299.45
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Wind.Speed.daily.mean..10.m.above.gnd. +
##   Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
##   Wind.Direction.daily.mean..900.mb. + Wind.Gust.daily.mean..sfc. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.mean..10.m.above.gnd.      1  1233.7 1297.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.   1  1233.8 1297.8
## - Wind.Gust.daily.mean..sfc.                   1  1233.8 1297.8
## - Wind.Speed.daily.mean..900.mb.               1  1234.0 1298.0
## - Total.Precipitation.daily.sum..sfc.          1  1234.1 1298.1
## - Low.Cloud.Cover.daily.max..low.cld.lay.      1  1234.1 1298.1
## - Total.Cloud.Cover.daily.max..sfc.            1  1234.2 1298.2
## - Sunshine.Duration.daily.sum..sfc.            1  1234.2 1298.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1234.5 1298.5

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## - Wind.Direction.daily.mean..10.m.above.gnd.      1  1234.6 1298.6
## - Wind.Speed.daily.max..900.mb.                   1  1234.7 1298.7
## - Total.Cloud.Cover.daily.mean..sfc.              1  1234.7 1298.7
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.     1  1234.7 1298.7
## - High.Cloud.Cover.daily.max..high.cld.lay.       1  1235.0 1299.0
## - Wind.Speed.daily.min..80.m.above.gnd.           1  1235.2 1299.2
## - Snowfall.amount.raw.daily.sum..sfc.             1  1235.3 1299.3
## <none>                                             1233.5 1299.5
## - Wind.Gust.daily.max..sfc.                       1  1235.5 1299.5
## - Year                                             1  1235.5 1299.5
## - X                                               1  1235.6 1299.6
## - Month                                           1  1235.8 1299.8
## - Wind.Speed.daily.mean..80.m.above.gnd.         1  1236.1 1300.1
## - Total.Cloud.Cover.daily.min..sfc.              1  1236.1 1300.1
## - Wind.Direction.daily.mean..80.m.above.gnd.     1  1236.2 1300.2
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.     1  1237.8 1301.8
## - Wind.Speed.daily.max..10.m.above.gnd.          1  1238.2 1302.2
## - Temperature.daily.min..2.m.above.gnd.          1  1238.7 1302.7
## - Wind.Speed.daily.min..10.m.above.gnd.          1  1241.7 1305.7
## - Temperature.daily.mean..2.m.above.gnd.         1  1243.1 1307.1
## - Mean.Sea.Level.Pressure.daily.max..MSL.        1  1246.8 1310.8
## - Wind.Direction.daily.mean..900.mb.             1  1247.9 1311.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.       1  1249.4 1313.4
## - Mean.Sea.Level.Pressure.daily.min..MSL.        1  1255.7 1319.7
##
## Step:  AIC=1297.71
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.    1  1234.0 1296.0
## - Wind.Gust.daily.mean..sfc.                     1  1234.0 1296.0
## - Wind.Speed.daily.mean..900.mb.                 1  1234.3 1296.3
## - Total.Precipitation.daily.sum..sfc.            1  1234.3 1296.3
## - Sunshine.Duration.daily.sum..sfc.              1  1234.3 1296.3
## - Low.Cloud.Cover.daily.max..low.cld.lay.        1  1234.4 1296.4
## - Total.Cloud.Cover.daily.max..sfc.              1  1234.5 1296.5
## - Wind.Direction.daily.mean..10.m.above.gnd.     1  1234.8 1296.8
## - Total.Cloud.Cover.daily.mean..sfc.            1  1234.8 1296.8
## - Wind.Speed.daily.max..900.mb.                 1  1234.9 1296.9
## - Relative.Humidity.daily.mean..2.m.above.gnd.   1  1234.9 1296.9

```

```

## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.      1    1234.9 1296.9
## - Wind.Speed.daily.min..80.m.above.gnd.             1    1235.2 1297.2
## - High.Cloud.Cover.daily.max..high.cld.lay.         1    1235.4 1297.4
## <none>                                                1233.7 1297.7
## - Year                                                1    1235.8 1297.8
## - X                                                    1    1235.9 1297.9
## - Snowfall.amount.raw.daily.sum..sfc.               1    1236.0 1298.0
## - Wind.Gust.daily.max..sfc.                           1    1236.1 1298.1
## - Month                                                1    1236.2 1298.2
## - Total.Cloud.Cover.daily.min..sfc.                  1    1236.3 1298.3
## - Wind.Direction.daily.mean..80.m.above.gnd.         1    1236.4 1298.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.         1    1238.1 1300.1
## - Wind.Speed.daily.max..10.m.above.gnd.              1    1238.7 1300.7
## - Temperature.daily.min..2.m.above.gnd.              1    1239.0 1301.0
## - Wind.Speed.daily.min..10.m.above.gnd.              1    1242.2 1304.2
## - Temperature.daily.mean..2.m.above.gnd.             1    1243.5 1305.5
## - Wind.Speed.daily.mean..80.m.above.gnd.             1    1243.6 1305.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.            1    1246.8 1308.8
## - Wind.Direction.daily.mean..900.mb.                 1    1248.1 1310.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL.           1    1249.5 1311.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.            1    1255.7 1317.7
##
## Step:  AIC=1295.97
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Gust.daily.mean..sfc.          1    1234.2 1294.2
## - Wind.Speed.daily.mean..900.mb.       1    1234.5 1294.5
## - Total.Precipitation.daily.sum..sfc.  1    1234.6 1294.6
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1    1234.6 1294.6
## - Sunshine.Duration.daily.sum..sfc.     1    1234.6 1294.6
## - Total.Cloud.Cover.daily.max..sfc.     1    1234.7 1294.7
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1    1235.0 1295.0
## - Wind.Direction.daily.mean..10.m.above.gnd. 1    1235.0 1295.0
## - Wind.Speed.daily.max..900.mb.         1    1235.2 1295.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1235.2 1295.2
## - Total.Cloud.Cover.daily.mean..sfc.    1    1235.2 1295.2
## - Wind.Speed.daily.min..80.m.above.gnd.  1    1235.5 1295.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1    1235.7 1295.7
## <none>                                1234.0 1296.0
## - Year                                1    1236.1 1296.1

```

```

## - X 1 1236.2 1296.2
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.3 1296.3
## - Wind.Gust.daily.max..sfc. 1 1236.4 1296.4
## - Month 1 1236.4 1296.4
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1236.6 1296.6
## - Snowfall.amount.raw.daily.sum..sfc. 1 1236.7 1296.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1238.6 1298.6
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1239.1 1299.1
## - Temperature.daily.min..2.m.above.gnd. 1 1239.3 1299.3
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1242.5 1302.5
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1243.8 1303.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1243.9 1303.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1247.0 1307.0
## - Wind.Direction.daily.mean..900.mb. 1 1248.4 1308.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1249.5 1309.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1255.8 1315.8
##
## Step: AIC=1294.2
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1234.8 1292.8
## - Sunshine.Duration.daily.sum..sfc. 1 1234.9 1292.9
## - Total.Precipitation.daily.sum..sfc. 1 1234.9 1292.9
## - Total.Cloud.Cover.daily.max..sfc. 1 1234.9 1292.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1235.2 1293.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1235.3 1293.3
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1235.3 1293.3
## - Total.Cloud.Cover.daily.mean..sfc. 1 1235.5 1293.5
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1235.6 1293.6
## - Wind.Speed.daily.mean..900.mb. 1 1235.7 1293.7
## - Wind.Speed.daily.max..900.mb. 1 1235.8 1293.8
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1235.9 1293.9
## <none> 1234.2 1294.2
## - Year 1 1236.3 1294.3
## - X 1 1236.4 1294.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.5 1294.5
## - Month 1 1236.6 1294.6
## - Snowfall.amount.raw.daily.sum..sfc. 1 1236.8 1294.8
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1236.8 1294.8
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1238.8 1296.8

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```

## - Wind.Gust.daily.max..sfc. 1 1239.0 1297.0
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1239.2 1297.2
## - Temperature.daily.min..2.m.above.gnd. 1 1239.5 1297.5
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1242.7 1300.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1244.1 1302.1
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1244.4 1302.4
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1247.2 1305.2
## - Wind.Direction.daily.mean..900.mb. 1 1248.6 1306.6
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1249.7 1307.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1256.0 1314.0
##
## Step: AIC=1292.84
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Total.Precipitation.daily.sum..sfc. 1 1235.5 1291.5
## - Sunshine.Duration.daily.sum..sfc. 1 1235.7 1291.7
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1235.9 1291.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1236.0 1292.0
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1236.0 1292.0
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1236.2 1292.2
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1236.3 1292.3
## - Wind.Speed.daily.mean..900.mb. 1 1236.4 1292.4
## - Wind.Speed.daily.max..900.mb. 1 1236.4 1292.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.8 1292.8
## <none> 1234.8 1292.8
## - Year 1 1236.9 1292.9
## - Total.Cloud.Cover.daily.mean..sfc. 1 1236.9 1292.9
## - X 1 1236.9 1292.9
## - Month 1 1237.2 1293.2
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1237.4 1293.4
## - Total.Cloud.Cover.daily.max..sfc. 1 1237.4 1293.4
## - Snowfall.amount.raw.daily.sum..sfc. 1 1237.5 1293.5
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1238.9 1294.9
## - Wind.Gust.daily.max..sfc. 1 1239.6 1295.6
## - Temperature.daily.min..2.m.above.gnd. 1 1239.8 1295.8
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1240.3 1296.3
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1243.3 1299.3
## - Temperature.daily.mean..2.m.above.gnd. 1 1244.3 1300.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1245.6 1301.6
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1247.7 1303.7
## - Wind.Direction.daily.mean..900.mb. 1 1249.2 1305.2

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## - Mean.Sea.Level.Pressure.daily.mean..MSL.      1    1250.2 1306.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.       1    1256.4 1312.4
##
## Step:  AIC=1291.48
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Sunshine.Duration.daily.sum..sfc. +
##   Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##
##                                     Df Deviance      AIC
## - Sunshine.Duration.daily.sum..sfc.      1    1236.4 1290.4
## - Wind.Direction.daily.mean..10.m.above.gnd. 1    1236.7 1290.7
## - Wind.Speed.daily.min..80.m.above.gnd.     1    1236.8 1290.8
## - Wind.Speed.daily.mean..900.mb.           1    1236.9 1290.9
## - Wind.Speed.daily.max..900.mb.            1    1236.9 1290.9
## - High.Cloud.Cover.daily.max..high.cld.lay. 1    1236.9 1290.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1    1237.0 1291.0
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1237.3 1291.3
## <none>                                     1    1235.5 1291.5
## - Year                                     1    1237.5 1291.5
## - X                                       1    1237.6 1291.6
## - Total.Cloud.Cover.daily.mean..sfc.      1    1237.6 1291.6
## - Total.Cloud.Cover.daily.min..sfc.       1    1237.7 1291.7
## - Month                                  1    1237.8 1291.8
## - Snowfall.amount.raw.daily.sum..sfc.     1    1237.9 1291.9
## - Total.Cloud.Cover.daily.max..sfc.       1    1237.9 1291.9
## - Wind.Direction.daily.mean..80.m.above.gnd. 1    1238.1 1292.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1    1239.4 1293.4
## - Temperature.daily.min..2.m.above.gnd.   1    1240.2 1294.2
## - Wind.Gust.daily.max..sfc.               1    1240.6 1294.6
## - Wind.Speed.daily.max..10.m.above.gnd.   1    1240.8 1294.8
## - Wind.Speed.daily.min..10.m.above.gnd.   1    1243.9 1297.9
## - Temperature.daily.mean..2.m.above.gnd.  1    1244.9 1298.9
## - Wind.Speed.daily.mean..80.m.above.gnd.  1    1246.1 1300.1
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1    1247.8 1301.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1    1250.3 1304.3
## - Wind.Direction.daily.mean..900.mb.     1    1250.5 1304.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1    1256.6 1310.6
##
## Step:  AIC=1290.41
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +

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## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1237.6 1289.6
## - Total.Cloud.Cover.daily.mean..sfc. 1 1237.6 1289.6
## - Wind.Speed.daily.mean..900.mb. 1 1237.7 1289.7
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1237.7 1289.7
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1237.7 1289.7
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1237.8 1289.8
## - Wind.Speed.daily.max..900.mb. 1 1237.8 1289.8
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1237.9 1289.9
## <none> 1236.4 1290.4
## - Year 1 1238.5 1290.5
## - X 1 1238.5 1290.5
## - Snowfall.amount.raw.daily.sum..sfc. 1 1238.7 1290.7
## - Month 1 1238.8 1290.8
## - Total.Cloud.Cover.daily.min..sfc. 1 1238.9 1290.9
## - Total.Cloud.Cover.daily.max..sfc. 1 1238.9 1290.9
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1238.9 1290.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1240.3 1292.3
## - Temperature.daily.min..2.m.above.gnd. 1 1241.3 1293.3
## - Wind.Gust.daily.max..sfc. 1 1241.5 1293.5
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1241.9 1293.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1244.9 1296.9
## - Temperature.daily.mean..2.m.above.gnd. 1 1246.8 1298.8
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1246.9 1298.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1249.0 1301.0
## - Wind.Direction.daily.mean..900.mb. 1 1250.9 1302.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1251.7 1303.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1258.2 1310.2
##
## Step: AIC=1289.57
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Speed.daily.mean..900.mb. 1 1238.6 1288.6
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1238.7 1288.7

```



```

## - High.Cloud.Cover.daily.max..high.cld.lay.      1  1238.8 1288.8
## - Wind.Speed.daily.min..80.m.above.gnd.          1  1238.8 1288.8
## - Total.Cloud.Cover.daily.mean..sfc.             1  1239.0 1289.0
## - Wind.Speed.daily.max..900.mb.                  1  1239.0 1289.0
## - Relative.Humidity.daily.mean..2.m.above.gnd.    1  1239.3 1289.3
## - Year                                             1  1239.6 1289.6
## <none>                                             1237.6 1289.6
## - X                                               1  1239.6 1289.6
## - Month                                           1  1239.9 1289.9
## - Total.Cloud.Cover.daily.min..sfc.             1  1240.0 1290.0
## - Total.Cloud.Cover.daily.max..sfc.             1  1240.0 1290.0
## - Snowfall.amount.raw.daily.sum..sfc.           1  1240.1 1290.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.     1  1241.6 1291.6
## - Wind.Direction.daily.mean..80.m.above.gnd.     1  1241.7 1291.7
## - Temperature.daily.min..2.m.above.gnd.          1  1242.2 1292.2
## - Wind.Gust.daily.max..sfc.                     1  1242.8 1292.8
## - Wind.Speed.daily.max..10.m.above.gnd.          1  1243.3 1293.3
## - Wind.Speed.daily.min..10.m.above.gnd.          1  1245.8 1295.8
## - Wind.Speed.daily.mean..80.m.above.gnd.         1  1247.7 1297.7
## - Temperature.daily.mean..2.m.above.gnd.         1  1247.7 1297.7
## - Mean.Sea.Level.Pressure.daily.max..MSL.        1  1250.3 1300.3
## - Wind.Direction.daily.mean..900.mb.            1  1251.0 1301.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL.       1  1253.2 1303.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.       1  1259.8 1309.8
##
## Step:  AIC=1288.63
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.max..900.mb.      1  1239.0 1287.0
## - Wind.Speed.daily.min..80.m.above.gnd. 1  1239.7 1287.7
## - Total.Cloud.Cover.daily.mean..sfc.  1  1239.8 1287.8
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1239.8 1287.8
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1239.9 1287.9
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1240.2 1288.2
## - Year                               1  1240.5 1288.5
## - X                                  1  1240.6 1288.6
## <none>                               1238.6 1288.6
## - Month                             1  1240.8 1288.8
## - Total.Cloud.Cover.daily.min..sfc.  1  1241.0 1289.0
## - Total.Cloud.Cover.daily.max..sfc.  1  1241.2 1289.2
## - Snowfall.amount.raw.daily.sum..sfc. 1  1241.6 1289.6
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1242.4 1290.4
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1242.5 1290.5

```

```

## - Temperature.daily.min..2.m.above.gnd.      1    1243.0 1291.0
## - Wind.Gust.daily.max..sfc.                  1    1243.7 1291.7
## - Wind.Speed.daily.max..10.m.above.gnd.       1    1244.1 1292.1
## - Wind.Speed.daily.min..10.m.above.gnd.       1    1246.7 1294.7
## - Wind.Speed.daily.mean..80.m.above.gnd.      1    1247.7 1295.7
## - Temperature.daily.mean..2.m.above.gnd.     1    1248.3 1296.3
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1    1250.7 1298.7
## - Wind.Direction.daily.mean..900.mb.         1    1251.9 1299.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.    1    1253.3 1301.3
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1    1259.8 1307.8
##
## Step:  AIC=1287.03
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.min..80.m.above.gnd.      1    1240.0 1286.0
## - High.Cloud.Cover.daily.max..high.cld.lay.  1    1240.1 1286.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1    1240.2 1286.2
## - Total.Cloud.Cover.daily.mean..sfc.         1    1240.2 1286.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1240.5 1286.5
## - Year                                         1    1240.9 1286.9
## - X                                           1    1240.9 1286.9
## <none>                                       1239.0 1287.0
## - Month                                       1    1241.2 1287.2
## - Total.Cloud.Cover.daily.min..sfc.         1    1241.5 1287.5
## - Total.Cloud.Cover.daily.max..sfc.         1    1241.6 1287.6
## - Snowfall.amount.raw.daily.sum..sfc.       1    1241.8 1287.8
## - Wind.Direction.daily.mean..80.m.above.gnd. 1    1242.7 1288.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1    1243.0 1289.0
## - Temperature.daily.min..2.m.above.gnd.     1    1243.4 1289.4
## - Wind.Gust.daily.max..sfc.                 1    1244.1 1290.1
## - Wind.Speed.daily.max..10.m.above.gnd.     1    1244.3 1290.3
## - Wind.Speed.daily.min..10.m.above.gnd.     1    1247.0 1293.0
## - Wind.Speed.daily.mean..80.m.above.gnd.    1    1248.2 1294.2
## - Temperature.daily.mean..2.m.above.gnd.    1    1248.8 1294.8
## - Mean.Sea.Level.Pressure.daily.max..MSL.    1    1251.2 1297.2
## - Wind.Direction.daily.mean..900.mb.        1    1251.9 1297.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.   1    1253.6 1299.6
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1    1260.0 1306.0
##
## Step:  AIC=1286.05
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +

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## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Total.Cloud.Cover.daily.mean..sfc. 1 1241.0 1285.0
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1241.2 1285.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1241.3 1285.3
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1241.6 1285.6
## - Year 1 1241.9 1285.9
## - X 1 1241.9 1285.9
## <none> 1240.0 1286.0
## - Month 1 1242.2 1286.2
## - Total.Cloud.Cover.daily.min..sfc. 1 1242.5 1286.5
## - Snowfall.amount.raw.daily.sum..sfc. 1 1242.5 1286.5
## - Total.Cloud.Cover.daily.max..sfc. 1 1242.7 1286.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1244.0 1288.0
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1244.3 1288.3
## - Temperature.daily.min..2.m.above.gnd. 1 1244.5 1288.5
## - Wind.Gust.daily.max..sfc. 1 1245.2 1289.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1246.9 1290.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1249.7 1293.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1249.9 1293.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1252.4 1296.4
## - Wind.Direction.daily.mean..900.mb. 1 1253.3 1297.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1254.4 1298.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1254.8 1298.8
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1261.2 1305.2
##
## Step: AIC=1285.05
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1242.1 1284.1
## - Year 1 1242.8 1284.8
## - X 1 1242.9 1284.9
## <none> 1241.0 1285.0
## - Month 1 1243.2 1285.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1243.3 1285.3
## - Snowfall.amount.raw.daily.sum..sfc. 1 1243.7 1285.7
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1244.7 1286.7

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## - Total.Cloud.Cover.daily.min..sfc.          1  1244.7 1286.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.  1  1244.8 1286.8
## - Temperature.daily.min..2.m.above.gnd.       1  1244.9 1286.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.  1  1245.2 1287.2
## - Total.Cloud.Cover.daily.max..sfc.          1  1245.9 1287.9
## - Wind.Gust.daily.max..sfc.                  1  1246.4 1288.4
## - Wind.Speed.daily.max..10.m.above.gnd.       1  1248.0 1290.0
## - Temperature.daily.mean..2.m.above.gnd.     1  1250.0 1292.0
## - Wind.Speed.daily.min..10.m.above.gnd.       1  1251.4 1293.4
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1  1253.3 1295.3
## - Wind.Direction.daily.mean..900.mb.         1  1254.4 1296.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1  1255.7 1297.7
## - Wind.Speed.daily.mean..80.m.above.gnd.     1  1256.0 1298.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1  1262.1 1304.1
##
## Step: AIC=1284.06
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Year                             1  1243.8 1283.8
## - X                                 1  1243.9 1283.9
## <none>                             1  1242.1 1284.1
## - Month                            1  1244.2 1284.2
## - Relative.Humidity.daily.mean..2.m.above.gnd.  1  1244.4 1284.4
## - Snowfall.amount.raw.daily.sum..sfc.         1  1244.9 1284.9
## - Total.Cloud.Cover.daily.min..sfc.           1  1245.6 1285.6
## - Wind.Direction.daily.mean..80.m.above.gnd.  1  1245.9 1285.9
## - Temperature.daily.min..2.m.above.gnd.       1  1246.3 1286.3
## - Total.Cloud.Cover.daily.max..sfc.           1  1247.1 1287.1
## - Wind.Gust.daily.max..sfc.                   1  1247.7 1287.7
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.  1  1247.9 1287.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.  1  1248.2 1288.2
## - Wind.Speed.daily.max..10.m.above.gnd.       1  1248.8 1288.8
## - Temperature.daily.mean..2.m.above.gnd.     1  1252.0 1292.0
## - Wind.Speed.daily.min..10.m.above.gnd.       1  1252.1 1292.1
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1  1254.4 1294.4
## - Wind.Direction.daily.mean..900.mb.         1  1255.6 1295.6
## - Wind.Speed.daily.mean..80.m.above.gnd.     1  1256.9 1296.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1  1257.1 1297.1
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1  1263.5 1303.5
##
## Step: AIC=1283.83
## pluie.demain ~ X + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +

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## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Month 1 1245.8 1283.8
## <none> 1243.8 1283.8
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1245.9 1283.9
## - Snowfall.amount.raw.daily.sum..sfc. 1 1246.5 1284.5
## - Total.Cloud.Cover.daily.min..sfc. 1 1247.6 1285.6
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1247.8 1285.8
## - Temperature.daily.min..2.m.above.gnd. 1 1248.0 1286.0
## - X 1 1248.8 1286.8
## - Total.Cloud.Cover.daily.max..sfc. 1 1249.0 1287.0
## - Wind.Gust.daily.max..sfc. 1 1249.1 1287.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1249.7 1287.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1250.0 1288.0
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1250.6 1288.6
## - Temperature.daily.mean..2.m.above.gnd. 1 1253.6 1291.6
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1253.9 1291.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1255.9 1293.9
## - Wind.Direction.daily.mean..900.mb. 1 1257.7 1295.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1258.5 1296.5
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1258.7 1296.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1264.9 1302.9
##
## Step: AIC=1283.77
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Relative.Humidity.daily.mean..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.mean..MSL. + Snowfall.amount.raw.daily.sum..sfc. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1247.3 1283.3
## <none> 1245.8 1283.8
## - Snowfall.amount.raw.daily.sum..sfc. 1 1248.8 1284.8
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1249.0 1285.0
## - Total.Cloud.Cover.daily.min..sfc. 1 1249.6 1285.6
## - Wind.Gust.daily.max..sfc. 1 1250.7 1286.7
## - X 1 1250.9 1286.9
## - Temperature.daily.min..2.m.above.gnd. 1 1251.0 1287.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1251.1 1287.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1251.6 1287.6
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1252.1 1288.1
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1253.3 1289.3
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1256.3 1292.3
## - Temperature.daily.mean..2.m.above.gnd. 1 1256.3 1292.3

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```
## - Mean.Sea.Level.Pressure.daily.max..MSL.      1  1258.0 1294.0
## - Wind.Direction.daily.mean..900.mb.          1  1259.0 1295.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL.      1  1260.4 1296.4
## - Wind.Speed.daily.mean..80.m.above.gnd.        1  1261.5 1297.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.        1  1266.8 1302.8
##
## Step: AIC=1283.29
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL.
##   Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance   AIC
## <none>                                1247.3 1283.3
## - Snowfall.amount.raw.daily.sum..sfc.      1  1250.1 1284.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1250.3 1284.3
## - Temperature.daily.min..2.m.above.gnd.     1  1251.2 1285.2
## - X                                           1  1251.4 1285.4
## - Total.Cloud.Cover.daily.min..sfc.         1  1251.5 1285.5
## - Wind.Gust.daily.max..sfc.                 1  1252.0 1286.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1252.8 1286.8
## - Total.Cloud.Cover.daily.max..sfc.         1  1253.1 1287.1
## - Wind.Speed.daily.max..10.m.above.gnd.     1  1254.5 1288.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1254.6 1288.6
## - Temperature.daily.mean..2.m.above.gnd.    1  1256.4 1290.4
## - Wind.Speed.daily.min..10.m.above.gnd.     1  1257.1 1291.1
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1259.5 1293.5
## - Wind.Direction.daily.mean..900.mb.        1  1260.1 1294.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL.   1  1262.1 1296.1
## - Wind.Speed.daily.mean..80.m.above.gnd.    1  1262.5 1296.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1268.6 1302.6
```

```
# summary(m2)
```

```
coef(m2) # permet d'extraire les coefficients beta liés aux variables explicatives du modèle m2.
```

```
##               (Intercept)
##           63.8155622661
##               X
##           0.0001736397
##   Temperature.daily.mean..2.m.above.gnd.
##           0.1489073799
##   Mean.Sea.Level.Pressure.daily.mean..MSL.
##           0.4821610186
##           Snowfall.amount.raw.daily.sum..sfc.
##           -0.3220511620
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay.
##           0.0108555566
##           Wind.Speed.daily.mean..80.m.above.gnd.
##           -0.1149959770
##   Wind.Direction.daily.mean..80.m.above.gnd.
```

```
## -0.0026282753
## Wind.Direction.daily.mean..900.mb.
## 0.0045648104
## Temperature.daily.min..2.m.above.gnd.
## -0.1058673456
## Mean.Sea.Level.Pressure.daily.max..MSL.
## -0.2423436209
## Mean.Sea.Level.Pressure.daily.min..MSL.
## -0.3064344427
## Total.Cloud.Cover.daily.max..sfc.
## 0.0083351887
## Total.Cloud.Cover.daily.min..sfc.
## 0.0078120777
## Medium.Cloud.Cover.daily.max..mid.cld.lay.
## 0.0062149605
## Wind.Speed.daily.max..10.m.above.gnd.
## 0.0605053805
## Wind.Speed.daily.min..10.m.above.gnd.
## 0.1118626865
## Wind.Gust.daily.max..sfc.
## 0.0233117362
```

```
# prédiction sur les données d'entraînement d
pred_m2=predict(m2, d , type = "response")
```

```
tab_m2=table(d$pluie.demain, pred_m2 >=.5)
tab_m2
```

```
##
## FALSE TRUE
## FALSE 418 161
## TRUE 132 469
```

```
matrixconfusion_m2=1-sum(diag(tab_m2)/sum(tab_m2))
matrixconfusion_m2
```

```
## [1] 0.2483051
```

Comme d'habitude, les étoiles et p-valeurs permettent de repérer les coefficients significativement différents de 0. D'après le summary de modèle m2 on observe le coefficient pour la variable (Mean.Sea.Level.Pressure.daily.mean..MSL.) est significativement différent de 0. L'interprétation de ce coefficient 0.4821 est la suivante : quand on considère la probabilité de pleuvoir demain, le logarithme du rapport des cotes vaut 0.4821. Autrement dit, quand cette variable en question augmente d'une unité, la cote anglaise de l'événement est multipliée par  $\exp(0.4821)$ .

Dans le tableau des coefficients, un coefficient positif indique que la covariable tend à faire augmenter la probabilité de l'événement à expliquer ; un coefficient négatif indique que la covariable tend à faire diminuer la probabilité de l'événement à expliquer.

D'après le modèle ci dessus, on note que la matrice de confusion donne une valeur de 24.83% .

```
m3=glm(pluie.demain~Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb. +Mean
Mean.Sea.Level.Pressure.daily.min..MSL.+Wind.Speed.daily.min..10.m.above.gnd., data=d, family=binomial)
```

```
# summary(m3)
# prédiction sur la base d'entrainement:d
pred_m3=predict(m3, d , type = "response")

tab_m3=table(d$pluie.demain, pred_m3 >=.5)
tab_m3
```

```
##
##          FALSE TRUE
## FALSE    385   194
## TRUE     156   445
```

```
# matrice de confusion
matrixconfusion_m3=1-sum(diag(tab_m3)/sum(tab_m3))
matrixconfusion_m3
```

```
## [1] 0.2966102
```

La matrice de confusion donne une valeur de 29,6% .

```
m4=glm(pluie.demain~Mean.Sea.Level.Pressure.daily.mean..MSL. +Wind.Direction.daily.mean..900.mb.+Mean.S
# summary(m4)
# prédiction sur la base d'entrainement:d
pred_m4=predict(m4, d , type = "response")
tab_m4=table(d$pluie.demain, pred_m4 >=.5)
tab_m4
```

```
##
##          FALSE TRUE
## FALSE    400   179
## TRUE     135   466
```

```
#matrice de confusion
matrixconfusion_m4=1-sum(diag(tab_m4)/sum(tab_m4))
matrixconfusion_m4
```

```
## [1] 0.2661017
```

```
m5=glm(pluie.demain~Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb. +Mean
      Mean.Sea.Level.Pressure.daily.min..MSL.+Sunshine.Duration.daily.sum..sfc.+
      Total.Cloud.Cover.daily.max..sfc.+Temperature.daily.max..2.m.above.gnd.+Wind.Gust.daily.max..s
# summary(m5)
# prédiction sur la base d'entrainement:d
pred_m5=predict(m5, d , type = "response")

tab_m5=table(d$pluie.demain, pred_m5 >=.5)
tab_m5
```

```
##
##          FALSE TRUE
## FALSE    402   177
## TRUE     144   457
```



```
matrixconfusion_m5=1-sum(diag(tab_m5)/sum(tab_m5))
matrixconfusion_m5
```

```
## [1] 0.2720339
```

On voit la proportion de faux positive et faux négative.

```
library(MASS)
m6=stepAIC(m1,data=d,direction = "backward",k=log(nrow(d)))
```

```
## Start: AIC=1550.7
## pluie.demain ~ X + Year + Month + Day + Hour + Minute + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Step: AIC=1550.7
## pluie.demain ~ X + Year + Month + Day + Hour + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
```

```

## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Step: AIC=1550.7
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Df Deviance AIC
## - Relative.Humidity.daily.max..2.m.above.gnd. 1 1232.4 1543.6
## - Low.Cloud.Cover.daily.min..low.cld.lay. 1 1232.4 1543.6
## - Temperature.daily.max..2.m.above.gnd. 1 1232.4 1543.6
## - Wind.Speed.daily.max..80.m.above.gnd. 1 1232.4 1543.6
## - Wind.Gust.daily.min..sfc. 1 1232.4 1543.7
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1543.7
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.5 1543.7
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.5 1543.8
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.6 1543.8
## - Day 1 1232.6 1543.8
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.6 1543.8
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.6 1543.8
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1543.9
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.7 1543.9
## - Wind.Gust.daily.mean..sfc. 1 1232.7 1543.9
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.7 1543.9
## - Year 1 1232.7 1543.9
## - X 1 1232.7 1543.9
## - Month 1 1232.7 1543.9
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1232.8 1544.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1232.9 1544.1
## - Wind.Speed.daily.mean..900.mb. 1 1232.9 1544.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.1 1544.4
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1544.4

```

```

## - Total.Precipitation.daily.sum..sfc.          1  1233.3 1544.5
## - Total.Cloud.Cover.daily.mean..sfc.          1  1233.4 1544.6
## - Wind.Direction.daily.mean..10.m.above.gnd.  1  1233.4 1544.6
## - Wind.Speed.daily.max..900.mb.               1  1233.6 1544.8
## - Temperature.daily.mean..2.m.above.gnd.      1  1233.7 1544.9
## - High.Cloud.Cover.daily.max..high.cld.lay.   1  1233.8 1545.1
## - Wind.Speed.daily.min..80.m.above.gnd.        1  1234.0 1545.2
## - Total.Cloud.Cover.daily.min..sfc.           1  1234.0 1545.2
## - Wind.Gust.daily.max..sfc.                   1  1234.0 1545.2
## - Wind.Speed.daily.mean..80.m.above.gnd.       1  1234.2 1545.4
## - Snowfall.amount.raw.daily.sum..sfc.         1  1234.3 1545.5
## - Temperature.daily.min..2.m.above.gnd.       1  1234.8 1546.0
## - Wind.Direction.daily.mean..80.m.above.gnd.  1  1235.0 1546.2
## - Wind.Speed.daily.max..10.m.above.gnd.        1  1235.0 1546.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.   1  1236.2 1547.4
## <none>                                         1232.4 1550.7
## - Wind.Speed.daily.min..10.m.above.gnd.       1  1239.5 1550.7
## - Mean.Sea.Level.Pressure.daily.max..MSL.      1  1244.7 1555.9
## - Wind.Direction.daily.mean..900.mb.          1  1246.7 1557.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1  1247.0 1558.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.      1  1252.9 1564.2
##
## Step: AIC=1543.62
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
##   Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + High.Cloud.Cover.daily.min..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Low.Cloud.Cover.daily.min..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.max..80.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Speed.daily.min..900.mb. +
##   Wind.Gust.daily.max..sfc. + Wind.Gust.daily.min..sfc.
##
##
##                                     Df Deviance    AIC
## - Low.Cloud.Cover.daily.min..low.cld.lay.  1  1232.4 1536.5
## - Temperature.daily.max..2.m.above.gnd.    1  1232.4 1536.6
## - Wind.Speed.daily.max..80.m.above.gnd.     1  1232.4 1536.6
## - Wind.Gust.daily.min..sfc.                 1  1232.4 1536.6
## - Wind.Speed.daily.min..900.mb.             1  1232.5 1536.6
## - High.Cloud.Cover.daily.min..high.cld.lay. 1  1232.5 1536.6
## - Shortwave.Radiation.daily.sum..sfc.       1  1232.6 1536.7
## - Relative.Humidity.daily.min..2.m.above.gnd. 1  1232.6 1536.7
## - Day                                       1  1232.6 1536.8

```

```

## - Low.Cloud.Cover.daily.mean..low.cld.lay.      1  1232.6 1536.8
## - High.Cloud.Cover.daily.mean..high.cld.lay.     1  1232.6 1536.8
## - Sunshine.Duration.daily.sum..sfc.              1  1232.7 1536.8
## - Wind.Speed.daily.mean..10.m.above.gnd.         1  1232.7 1536.8
## - Wind.Gust.daily.mean..sfc.                     1  1232.7 1536.8
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.     1  1232.7 1536.8
## - Year                                             1  1232.7 1536.8
## - X                                               1  1232.7 1536.8
## - Month                                           1  1232.7 1536.8
## - Total.Cloud.Cover.daily.max..sfc.              1  1232.9 1537.1
## - Wind.Speed.daily.mean..900.mb.                 1  1232.9 1537.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.    1  1233.1 1537.3
## - Low.Cloud.Cover.daily.max..low.cld.lay.        1  1233.2 1537.3
## - Total.Precipitation.daily.sum..sfc.            1  1233.3 1537.5
## - Total.Cloud.Cover.daily.mean..sfc.             1  1233.4 1537.5
## - Relative.Humidity.daily.mean..2.m.above.gnd.   1  1233.4 1537.5
## - Wind.Direction.daily.mean..10.m.above.gnd.     1  1233.4 1537.6
## - Wind.Speed.daily.max..900.mb.                  1  1233.6 1537.8
## - Temperature.daily.mean..2.m.above.gnd.         1  1233.7 1537.9
## - High.Cloud.Cover.daily.max..high.cld.lay.      1  1233.8 1538.0
## - Wind.Speed.daily.min..80.m.above.gnd.          1  1234.0 1538.2
## - Total.Cloud.Cover.daily.min..sfc.              1  1234.0 1538.2
## - Wind.Gust.daily.max..sfc.                      1  1234.0 1538.2
## - Wind.Speed.daily.mean..80.m.above.gnd.         1  1234.2 1538.3
## - Snowfall.amount.raw.daily.sum..sfc.            1  1234.3 1538.4
## - Temperature.daily.min..2.m.above.gnd.          1  1235.0 1539.1
## - Wind.Direction.daily.mean..80.m.above.gnd.     1  1235.0 1539.2
## - Wind.Speed.daily.max..10.m.above.gnd.          1  1235.0 1539.2
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.     1  1236.2 1540.4
## <none>                                           1232.4 1543.6
## - Wind.Speed.daily.min..10.m.above.gnd.          1  1239.5 1543.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.        1  1244.7 1548.8
## - Wind.Direction.daily.mean..900.mb.             1  1246.7 1550.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL.       1  1247.0 1551.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.        1  1252.9 1557.1
##
## Step:  AIC=1536.55
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
##   Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + High.Cloud.Cover.daily.min..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
##   Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +

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```

## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
##
##
## Df Deviance AIC
## - Temperature.daily.max..2.m.above.gnd. 1 1232.4 1529.5
## - Wind.Speed.daily.max..80.m.above.gnd. 1 1232.4 1529.5
## - Wind.Gust.daily.min..sfc. 1 1232.4 1529.5
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1529.5
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.5 1529.6
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.6 1529.7
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.6 1529.7
## - Day 1 1232.6 1529.7
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.6 1529.7
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.6 1529.7
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1529.7
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.7 1529.7
## - Wind.Gust.daily.mean..sfc. 1 1232.7 1529.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.7 1529.8
## - Year 1 1232.7 1529.8
## - X 1 1232.7 1529.8
## - Month 1 1232.7 1529.8
## - Total.Cloud.Cover.daily.max..sfc. 1 1232.9 1530.0
## - Wind.Speed.daily.mean..900.mb. 1 1232.9 1530.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.2 1530.2
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1530.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.4 1530.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.4 1530.5
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.4 1530.5
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.4 1530.5
## - Wind.Speed.daily.max..900.mb. 1 1233.6 1530.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1233.7 1530.8
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1233.8 1530.9
## - Wind.Gust.daily.max..sfc. 1 1234.0 1531.1
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.0 1531.1
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.2 1531.3
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.3 1531.3
## - Temperature.daily.min..2.m.above.gnd. 1 1235.0 1532.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.0 1532.1
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1235.0 1532.1
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.4 1532.5
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.3 1533.3
## <none> 1232.4 1536.5
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1239.5 1536.6
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1244.7 1541.8
## - Wind.Direction.daily.mean..900.mb. 1 1246.7 1543.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1247.0 1544.1
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1253.0 1550.0
##
## Step: AIC=1529.49
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +

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## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.max..80.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Speed.daily.min..900.mb. +
## Wind.Gust.daily.max..sfc. + Wind.Gust.daily.min..sfc.
##
##
## Df Deviance AIC
## - Wind.Speed.daily.max..80.m.above.gnd. 1 1232.4 1522.4
## - Wind.Gust.daily.min..sfc. 1 1232.5 1522.5
## - Wind.Speed.daily.min..900.mb. 1 1232.5 1522.5
## - High.Cloud.Cover.daily.min..high.cld.lay. 1 1232.5 1522.5
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.6 1522.6
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.6 1522.6
## - Day 1 1232.6 1522.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.6 1522.6
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.6 1522.6
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.7 1522.7
## - Sunshine.Duration.daily.sum..sfc. 1 1232.7 1522.7
## - Wind.Gust.daily.mean..sfc. 1 1232.7 1522.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.7 1522.7
## - Year 1 1232.7 1522.7
## - X 1 1232.7 1522.7
## - Month 1 1232.7 1522.7
## - Total.Cloud.Cover.daily.max..sfc. 1 1232.9 1522.9
## - Wind.Speed.daily.mean..900.mb. 1 1232.9 1522.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.2 1523.2
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.2 1523.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.4 1523.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.4 1523.4
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.4 1523.4
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.4 1523.4
## - Wind.Speed.daily.max..900.mb. 1 1233.6 1523.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1233.8 1523.8
## - Wind.Gust.daily.max..sfc. 1 1234.0 1524.0
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.0 1524.0
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.2 1524.2
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.3 1524.3
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.0 1525.0
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1235.1 1525.1
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.4 1525.4
## - Temperature.daily.min..2.m.above.gnd. 1 1235.9 1525.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.3 1526.3
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.0 1528.0
## <none> 1232.4 1529.5

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## - Wind.Speed.daily.min..10.m.above.gnd.      1    1239.5 1529.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1    1244.9 1534.9
## - Wind.Direction.daily.mean..900.mb.         1    1247.0 1537.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL.     1    1247.4 1537.4
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1    1253.4 1543.4
##
## Step:  AIC=1522.43
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
##   Wind.Gust.daily.min..sfc.
##
##
##                                     Df Deviance      AIC
## - Wind.Gust.daily.min..sfc.          1    1232.5 1515.4
## - Wind.Speed.daily.min..900.mb.       1    1232.5 1515.4
## - High.Cloud.Cover.daily.min..high.cld.lay. 1    1232.5 1515.5
## - Relative.Humidity.daily.min..2.m.above.gnd. 1    1232.6 1515.5
## - Shortwave.Radiation.daily.sum..sfc.    1    1232.6 1515.5
## - Day                                  1    1232.6 1515.6
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1    1232.7 1515.6
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1    1232.7 1515.6
## - Sunshine.Duration.daily.sum..sfc.      1    1232.7 1515.6
## - Wind.Gust.daily.mean..sfc.            1    1232.7 1515.6
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1    1232.7 1515.6
## - Wind.Speed.daily.mean..10.m.above.gnd. 1    1232.7 1515.7
## - Year                                  1    1232.7 1515.7
## - X                                      1    1232.7 1515.7
## - Month                                 1    1232.7 1515.7
## - Total.Cloud.Cover.daily.max..sfc.     1    1232.9 1515.9
## - Wind.Speed.daily.mean..900.mb.        1    1232.9 1515.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1    1233.2 1516.1
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1    1233.2 1516.1
## - Total.Precipitation.daily.sum..sfc.    1    1233.4 1516.3
## - Total.Cloud.Cover.daily.mean..sfc.     1    1233.4 1516.3
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1233.5 1516.4
## - Wind.Direction.daily.mean..10.m.above.gnd. 1    1233.5 1516.4
## - Wind.Speed.daily.max..900.mb.         1    1233.6 1516.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1    1233.9 1516.8
## - Wind.Speed.daily.min..80.m.above.gnd. 1    1234.2 1517.1

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## - Snowfall.amount.raw.daily.sum..sfc.          1  1234.3 1517.2
## - Wind.Gust.daily.max..sfc.                    1  1234.4 1517.3
## - Wind.Speed.daily.mean..80.m.above.gnd.        1  1234.6 1517.5
## - Wind.Direction.daily.mean..80.m.above.gnd.    1  1235.1 1518.0
## - Total.Cloud.Cover.daily.min..sfc.            1  1235.4 1518.4
## - Temperature.daily.min..2.m.above.gnd.         1  1235.9 1518.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.    1  1236.4 1519.3
## - Wind.Speed.daily.max..10.m.above.gnd.         1  1236.8 1519.7
## - Temperature.daily.mean..2.m.above.gnd.        1  1238.1 1521.0
## <none>                                           1232.4 1522.4
## - Wind.Speed.daily.min..10.m.above.gnd.         1  1239.7 1522.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.       1  1244.9 1527.8
## - Wind.Direction.daily.mean..900.mb.           1  1247.0 1529.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.      1  1247.4 1530.3
## - Mean.Sea.Level.Pressure.daily.min..MSL.       1  1253.5 1536.4
##
## Step: AIC=1515.4
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.min..900.mb.          1  1232.5 1508.4
## - High.Cloud.Cover.daily.min..high.cld.lay. 1  1232.6 1508.4
## - Relative.Humidity.daily.min..2.m.above.gnd. 1  1232.6 1508.5
## - Shortwave.Radiation.daily.sum..sfc.      1  1232.7 1508.5
## - Day                                     1  1232.7 1508.5
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1  1232.7 1508.5
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1  1232.7 1508.6
## - Sunshine.Duration.daily.sum..sfc.        1  1232.7 1508.6
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1  1232.8 1508.6
## - Year                                    1  1232.8 1508.6
## - X                                       1  1232.8 1508.6
## - Month                                  1  1232.8 1508.6
## - Wind.Speed.daily.mean..10.m.above.gnd.    1  1232.8 1508.6
## - Wind.Gust.daily.mean..sfc.               1  1232.9 1508.7
## - Wind.Speed.daily.mean..900.mb.           1  1233.0 1508.8
## - Total.Cloud.Cover.daily.max..sfc.        1  1233.0 1508.8
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1233.2 1509.1

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## - Low.Cloud.Cover.daily.max..low.cld.lay.      1  1233.2 1509.1
## - Total.Precipitation.daily.sum..sfc.           1  1233.4 1509.3
## - Total.Cloud.Cover.daily.mean..sfc.            1  1233.5 1509.3
## - Relative.Humidity.daily.mean..2.m.above.gnd.  1  1233.5 1509.3
## - Wind.Direction.daily.mean..10.m.above.gnd.    1  1233.5 1509.4
## - Wind.Speed.daily.max..900.mb.                 1  1233.6 1509.5
## - High.Cloud.Cover.daily.max..high.cld.lay.     1  1234.0 1509.8
## - Wind.Speed.daily.min..80.m.above.gnd.          1  1234.2 1510.1
## - Snowfall.amount.raw.daily.sum..sfc.           1  1234.4 1510.2
## - Wind.Gust.daily.max..sfc.                     1  1234.4 1510.3
## - Wind.Speed.daily.mean..80.m.above.gnd.         1  1234.7 1510.5
## - Wind.Direction.daily.mean..80.m.above.gnd.    1  1235.1 1511.0
## - Total.Cloud.Cover.daily.min..sfc.              1  1235.5 1511.3
## - Temperature.daily.min..2.m.above.gnd.          1  1236.0 1511.8
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.     1  1236.4 1512.3
## - Wind.Speed.daily.max..10.m.above.gnd.          1  1236.9 1512.8
## - Temperature.daily.mean..2.m.above.gnd.         1  1238.2 1514.0
## <none>                                           1232.5 1515.4
## - Wind.Speed.daily.min..10.m.above.gnd.          1  1240.8 1516.7
## - Mean.Sea.Level.Pressure.daily.max..MSL.         1  1244.9 1520.8
## - Wind.Direction.daily.mean..900.mb.             1  1247.0 1522.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL.        1  1247.4 1523.3
## - Mean.Sea.Level.Pressure.daily.min..MSL.         1  1253.5 1529.4
##
## Step: AIC=1508.37
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - High.Cloud.Cover.daily.min..high.cld.lay.      1  1232.6 1501.4
## - Relative.Humidity.daily.min..2.m.above.gnd.     1  1232.7 1501.5
## - Shortwave.Radiation.daily.sum..sfc.             1  1232.7 1501.5
## - Day                                               1  1232.7 1501.5
## - Low.Cloud.Cover.daily.mean..low.cld.lay.        1  1232.7 1501.5
## - High.Cloud.Cover.daily.mean..high.cld.lay.      1  1232.7 1501.5
## - Sunshine.Duration.daily.sum..sfc.               1  1232.8 1501.5
## - Year                                              1  1232.8 1501.6
## - X                                                1  1232.8 1501.6

```

```

## - Month 1 1232.8 1501.6
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.8 1501.6
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.8 1501.6
## - Wind.Gust.daily.mean..sfc. 1 1232.9 1501.7
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.0 1501.8
## - Wind.Speed.daily.mean..900.mb. 1 1233.2 1501.9
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.3 1502.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.3 1502.0
## - Total.Precipitation.daily.sum..sfc. 1 1233.5 1502.2
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.5 1502.3
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.5 1502.3
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.6 1502.4
## - Wind.Speed.daily.max..900.mb. 1 1233.8 1502.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.0 1502.8
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.3 1503.1
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.4 1503.2
## - Wind.Gust.daily.max..sfc. 1 1234.5 1503.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.7 1503.5
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.2 1504.0
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.6 1504.4
## - Temperature.daily.min..2.m.above.gnd. 1 1236.1 1504.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.4 1505.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1237.0 1505.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.2 1507.0
## <none> 1232.5 1508.4
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1240.8 1509.6
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1245.1 1513.8
## - Wind.Direction.daily.mean..900.mb. 1 1247.1 1515.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1247.5 1516.3
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1253.6 1522.4
##
## Step: AIC=1501.38
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
## Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
## Df Deviance AIC
## - High.Cloud.Cover.daily.mean..high.cld.lay. 1 1232.8 1494.5
## - Shortwave.Radiation.daily.sum..sfc. 1 1232.8 1494.5
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1232.8 1494.5

```

```

## - Day 1 1232.8 1494.5
## - Low.Cloud.Cover.daily.mean..low.cld.lay. 1 1232.8 1494.5
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1232.8 1494.5
## - Sunshine.Duration.daily.sum..sfc. 1 1232.9 1494.6
## - Year 1 1232.9 1494.6
## - X 1 1232.9 1494.6
## - Month 1 1232.9 1494.6
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1232.9 1494.6
## - Wind.Gust.daily.mean..sfc. 1 1233.0 1494.7
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.1 1494.8
## - Wind.Speed.daily.mean..900.mb. 1 1233.3 1495.0
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.3 1495.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1233.3 1495.0
## - Total.Precipitation.daily.sum..sfc. 1 1233.5 1495.2
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.6 1495.3
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.6 1495.3
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.7 1495.4
## - Wind.Speed.daily.max..900.mb. 1 1233.8 1495.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.0 1495.7
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.4 1496.1
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.5 1496.2
## - Wind.Gust.daily.max..sfc. 1 1234.6 1496.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1234.8 1496.5
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.3 1497.0
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.7 1497.4
## - Temperature.daily.min..2.m.above.gnd. 1 1236.1 1497.8
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1236.6 1498.3
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1237.1 1498.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.3 1500.0
## <none> 1232.6 1501.4
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1241.0 1502.7
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1245.2 1506.9
## - Wind.Direction.daily.mean..900.mb. 1 1247.3 1509.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1247.6 1509.3
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1253.7 1515.4
##
## Step: AIC=1494.46
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Low.Cloud.Cover.daily.mean..low.cld.lay. + Sunshine.Duration.daily.sum..sfc. +
## Shortwave.Radiation.daily.sum..sfc. + Wind.Speed.daily.mean..10.m.above.gnd. +
## Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
## Wind.Direction.daily.mean..900.mb. + Wind.Gust.daily.mean..sfc. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.

```

```

##
##                                     Df Deviance    AIC
## - Low.Cloud.Cover.daily.mean..low.cld.lay.      1  1232.9 1487.5
## - Relative.Humidity.daily.min..2.m.above.gnd.    1  1232.9 1487.5
## - Day                                              1  1232.9 1487.6
## - Shortwave.Radiation.daily.sum..sfc.            1  1233.0 1487.6
## - Medium.Cloud.Cover.daily.min..mid.cld.lay.     1  1233.0 1487.6
## - Year                                             1  1233.0 1487.7
## - X                                                1  1233.0 1487.7
## - Sunshine.Duration.daily.sum..sfc.             1  1233.0 1487.7
## - Month                                            1  1233.0 1487.7
## - Wind.Speed.daily.mean..10.m.above.gnd.         1  1233.1 1487.7
## - Wind.Gust.daily.mean..sfc.                    1  1233.2 1487.8
## - Total.Cloud.Cover.daily.max..sfc.              1  1233.2 1487.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.    1  1233.4 1488.0
## - Wind.Speed.daily.mean..900.mb.                 1  1233.4 1488.0
## - Low.Cloud.Cover.daily.max..low.cld.lay.        1  1233.5 1488.1
## - Total.Cloud.Cover.daily.mean..sfc.             1  1233.6 1488.3
## - Total.Precipitation.daily.sum..sfc.            1  1233.7 1488.3
## - Relative.Humidity.daily.mean..2.m.above.gnd.   1  1233.7 1488.4
## - Wind.Direction.daily.mean..10.m.above.gnd.     1  1233.8 1488.5
## - Wind.Speed.daily.max..900.mb.                  1  1234.0 1488.6
## - High.Cloud.Cover.daily.max..high.cld.lay.      1  1234.1 1488.8
## - Wind.Speed.daily.min..80.m.above.gnd.          1  1234.6 1489.2
## - Snowfall.amount.raw.daily.sum..sfc.            1  1234.6 1489.2
## - Wind.Gust.daily.max..sfc.                      1  1234.7 1489.3
## - Wind.Speed.daily.mean..80.m.above.gnd.         1  1234.9 1489.6
## - Wind.Direction.daily.mean..80.m.above.gnd.     1  1235.4 1490.0
## - Total.Cloud.Cover.daily.min..sfc.              1  1235.8 1490.4
## - Temperature.daily.min..2.m.above.gnd.          1  1236.2 1490.8
## - Wind.Speed.daily.max..10.m.above.gnd.          1  1237.3 1492.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.     1  1237.3 1492.0
## - Temperature.daily.mean..2.m.above.gnd.         1  1238.3 1492.9
## <none>                                           1232.8 1494.5
## - Wind.Speed.daily.min..10.m.above.gnd.          1  1241.2 1495.8
## - Mean.Sea.Level.Pressure.daily.max..MSL.        1  1245.4 1500.0
## - Wind.Direction.daily.mean..900.mb.             1  1247.4 1502.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL.       1  1247.8 1502.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.        1  1253.8 1508.5
##
## Step:  AIC=1487.53
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
##   Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
##   Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +

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```

## Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Relative.Humidity.daily.min..2.m.above.gnd. 1 1233.0 1480.6
## - Sunshine.Duration.daily.sum..sfc. 1 1233.1 1480.7
## - Day 1 1233.1 1480.7
## - Shortwave.Radiation.daily.sum..sfc. 1 1233.2 1480.7
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1233.2 1480.7
## - Year 1 1233.2 1480.8
## - X 1 1233.2 1480.8
## - Month 1 1233.2 1480.8
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1233.2 1480.8
## - Wind.Gust.daily.mean..sfc. 1 1233.3 1480.9
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.5 1481.1
## - Wind.Speed.daily.mean..900.mb. 1 1233.5 1481.1
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.5 1481.1
## - Total.Precipitation.daily.sum..sfc. 1 1233.7 1481.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1233.8 1481.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1233.9 1481.5
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1233.9 1481.5
## - Wind.Speed.daily.max..900.mb. 1 1234.1 1481.6
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1234.1 1481.6
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.5 1482.0
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.7 1482.3
## - Wind.Gust.daily.max..sfc. 1 1234.8 1482.3
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.8 1482.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1235.0 1482.5
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.5 1483.1
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.8 1483.3
## - Temperature.daily.min..2.m.above.gnd. 1 1236.3 1483.9
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1237.4 1485.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1237.5 1485.0
## - Temperature.daily.mean..2.m.above.gnd. 1 1238.4 1486.0
## <none> 1232.9 1487.5
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1241.2 1488.8
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1245.6 1493.2
## - Wind.Direction.daily.mean..900.mb. 1 1247.5 1495.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1248.2 1495.8
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1254.5 1502.0
##
## Step: AIC=1480.6
## pluie.demain ~ X + Year + Month + Day + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +

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## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Day 1 1233.3 1473.8
## - Sunshine.Duration.daily.sum..sfc. 1 1233.3 1473.8
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1233.3 1473.8
## - Shortwave.Radiation.daily.sum..sfc. 1 1233.3 1473.8
## - Year 1 1233.4 1473.9
## - X 1 1233.4 1473.9
## - Month 1 1233.4 1473.9
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1233.4 1473.9
## - Wind.Gust.daily.mean..sfc. 1 1233.5 1474.0
## - Wind.Speed.daily.mean..900.mb. 1 1233.7 1474.1
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.7 1474.2
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.7 1474.2
## - Total.Precipitation.daily.sum..sfc. 1 1233.8 1474.3
## - Total.Cloud.Cover.daily.mean..sfc. 1 1234.0 1474.5
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1234.1 1474.6
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1234.2 1474.7
## - Wind.Speed.daily.max..900.mb. 1 1234.2 1474.7
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1234.2 1474.7
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.7 1475.2
## - Wind.Gust.daily.max..sfc. 1 1234.9 1475.4
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1234.9 1475.4
## - Snowfall.amount.raw.daily.sum..sfc. 1 1234.9 1475.4
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1235.1 1475.6
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1235.8 1476.2
## - Total.Cloud.Cover.daily.min..sfc. 1 1235.9 1476.4
## - Temperature.daily.min..2.m.above.gnd. 1 1236.9 1477.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1237.5 1478.0
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1237.8 1478.3
## - Temperature.daily.mean..2.m.above.gnd. 1 1239.0 1479.5
## <none> 1233.0 1480.6
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1241.6 1482.0
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1245.9 1486.4
## - Wind.Direction.daily.mean..900.mb. 1 1247.6 1488.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1248.7 1489.2
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1255.0 1495.5
##
## Step: AIC=1473.76
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +

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## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Shortwave.Radiation.daily.sum..sfc. 1 1233.5 1466.9
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1233.6 1467.0
## - Sunshine.Duration.daily.sum..sfc. 1 1233.6 1467.0
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1233.6 1467.0
## - Wind.Gust.daily.mean..sfc. 1 1233.7 1467.1
## - Total.Cloud.Cover.daily.max..sfc. 1 1233.9 1467.3
## - Wind.Speed.daily.mean..900.mb. 1 1233.9 1467.3
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1233.9 1467.3
## - Total.Precipitation.daily.sum..sfc. 1 1234.0 1467.4
## - Total.Cloud.Cover.daily.mean..sfc. 1 1234.3 1467.7
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1234.3 1467.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1234.5 1467.9
## - Wind.Speed.daily.max..900.mb. 1 1234.5 1467.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1234.5 1467.9
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1234.9 1468.3
## - Snowfall.amount.raw.daily.sum..sfc. 1 1235.1 1468.5
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1235.1 1468.5
## - Wind.Gust.daily.max..sfc. 1 1235.2 1468.7
## - Year 1 1235.4 1468.8
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1235.4 1468.8
## - X 1 1235.5 1468.9
## - Month 1 1235.7 1469.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1236.0 1469.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.0 1469.4
## - Temperature.daily.min..2.m.above.gnd. 1 1237.0 1470.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1237.7 1471.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1238.0 1471.5
## - Temperature.daily.mean..2.m.above.gnd. 1 1239.0 1472.5
## <none> 1233.3 1473.8
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1241.7 1475.1
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1246.4 1479.8
## - Wind.Direction.daily.mean..900.mb. 1 1247.8 1481.2
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1249.1 1482.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1255.4 1488.8
##
## Step: AIC=1466.87
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Wind.Speed.daily.mean..10.m.above.gnd. +
## Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
## Wind.Direction.daily.mean..900.mb. + Wind.Gust.daily.mean..sfc. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +

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## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Medium.Cloud.Cover.daily.min..mid.cld.lay. +
## Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Speed.daily.mean..10.m.above.gnd. 1 1233.7 1460.0
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1233.8 1460.1
## - Wind.Gust.daily.mean..sfc. 1 1233.8 1460.2
## - Wind.Speed.daily.mean..900.mb. 1 1234.0 1460.4
## - Total.Precipitation.daily.sum..sfc. 1 1234.1 1460.4
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1234.1 1460.5
## - Total.Cloud.Cover.daily.max..sfc. 1 1234.2 1460.5
## - Sunshine.Duration.daily.sum..sfc. 1 1234.2 1460.5
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1234.5 1460.8
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1234.6 1461.0
## - Wind.Speed.daily.max..900.mb. 1 1234.7 1461.0
## - Total.Cloud.Cover.daily.mean..sfc. 1 1234.7 1461.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1234.7 1461.0
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1235.0 1461.4
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1235.2 1461.5
## - Snowfall.amount.raw.daily.sum..sfc. 1 1235.3 1461.6
## - Wind.Gust.daily.max..sfc. 1 1235.5 1461.8
## - Year 1 1235.5 1461.9
## - X 1 1235.6 1461.9
## - Month 1 1235.8 1462.2
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1236.1 1462.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.1 1462.4
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1236.2 1462.5
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1237.8 1464.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1238.2 1464.5
## - Temperature.daily.min..2.m.above.gnd. 1 1238.7 1465.0
## <none> 1233.5 1466.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1241.7 1468.1
## - Temperature.daily.mean..2.m.above.gnd. 1 1243.1 1469.5
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1246.8 1473.1
## - Wind.Direction.daily.mean..900.mb. 1 1247.9 1474.2
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1249.4 1475.8
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1255.7 1482.0
##
## Step: AIC=1460.05
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +

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## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Medium.Cloud.Cover.daily.min..mid.cld.lay. 1 1234.0 1453.2
## - Wind.Gust.daily.mean..sfc. 1 1234.0 1453.2
## - Wind.Speed.daily.mean..900.mb. 1 1234.3 1453.5
## - Total.Precipitation.daily.sum..sfc. 1 1234.3 1453.6
## - Sunshine.Duration.daily.sum..sfc. 1 1234.3 1453.6
## - Low.Cloud.Cover.daily.max..low.cld.lay. 1 1234.4 1453.6
## - Total.Cloud.Cover.daily.max..sfc. 1 1234.5 1453.7
## - Wind.Direction.daily.mean..10.m.above.gnd. 1 1234.8 1454.1
## - Total.Cloud.Cover.daily.mean..sfc. 1 1234.8 1454.1
## - Wind.Speed.daily.max..900.mb. 1 1234.9 1454.1
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1234.9 1454.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1234.9 1454.2
## - Wind.Speed.daily.min..80.m.above.gnd. 1 1235.2 1454.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1235.4 1454.7
## - Year 1 1235.8 1455.1
## - X 1 1235.9 1455.2
## - Snowfall.amount.raw.daily.sum..sfc. 1 1236.0 1455.2
## - Wind.Gust.daily.max..sfc. 1 1236.1 1455.4
## - Month 1 1236.2 1455.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1236.3 1455.5
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1236.4 1455.7
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1238.1 1457.3
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1238.7 1458.0
## - Temperature.daily.min..2.m.above.gnd. 1 1239.0 1458.2
## <none> 1233.7 1460.0
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1242.2 1461.5
## - Temperature.daily.mean..2.m.above.gnd. 1 1243.5 1462.8
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1243.6 1462.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1246.8 1466.1
## - Wind.Direction.daily.mean..900.mb. 1 1248.1 1467.3
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1249.5 1468.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1255.7 1475.0
##
## Step: AIC=1453.24
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Low.Cloud.Cover.daily.max..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
## Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##

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	Df	Deviance	AIC
## - Wind.Gust.daily.mean..sfc.	1	1234.2	1446.4
## - Wind.Speed.daily.mean..900.mb.	1	1234.5	1446.8
## - Total.Precipitation.daily.sum..sfc.	1	1234.6	1446.8
## - Low.Cloud.Cover.daily.max..low.cld.lay.	1	1234.6	1446.8
## - Sunshine.Duration.daily.sum..sfc.	1	1234.6	1446.8
## - Total.Cloud.Cover.daily.max..sfc.	1	1234.7	1446.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.	1	1235.0	1447.2
## - Wind.Direction.daily.mean..10.m.above.gnd.	1	1235.0	1447.2
## - Wind.Speed.daily.max..900.mb.	1	1235.2	1447.3
## - Relative.Humidity.daily.mean..2.m.above.gnd.	1	1235.2	1447.4
## - Total.Cloud.Cover.daily.mean..sfc.	1	1235.2	1447.4
## - Wind.Speed.daily.min..80.m.above.gnd.	1	1235.5	1447.7
## - High.Cloud.Cover.daily.max..high.cld.lay.	1	1235.7	1447.9
## - Year	1	1236.1	1448.3
## - X	1	1236.2	1448.4
## - Total.Cloud.Cover.daily.min..sfc.	1	1236.3	1448.5
## - Wind.Gust.daily.max..sfc.	1	1236.4	1448.6
## - Month	1	1236.4	1448.6
## - Wind.Direction.daily.mean..80.m.above.gnd.	1	1236.6	1448.8
## - Snowfall.amount.raw.daily.sum..sfc.	1	1236.7	1448.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.	1	1238.6	1450.8
## - Wind.Speed.daily.max..10.m.above.gnd.	1	1239.1	1451.3
## - Temperature.daily.min..2.m.above.gnd.	1	1239.3	1451.5
## <none>		1234.0	1453.2
## - Wind.Speed.daily.min..10.m.above.gnd.	1	1242.5	1454.7
## - Wind.Speed.daily.mean..80.m.above.gnd.	1	1243.8	1456.0
## - Temperature.daily.mean..2.m.above.gnd.	1	1243.9	1456.1
## - Mean.Sea.Level.Pressure.daily.max..MSL.	1	1247.0	1459.2
## - Wind.Direction.daily.mean..900.mb.	1	1248.4	1460.6
## - Mean.Sea.Level.Pressure.daily.mean..MSL.	1	1249.5	1461.8
## - Mean.Sea.Level.Pressure.daily.min..MSL.	1	1255.8	1468.0
##			
## Step: AIC=1446.4			
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +			
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +			
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +			
## Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +			
## Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +			
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +			
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +			
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +			
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +			
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +			
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +			
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +			
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +			
## Wind.Gust.daily.max..sfc.			
##			
	Df	Deviance	AIC
## - Low.Cloud.Cover.daily.max..low.cld.lay.	1	1234.8	1440.0
## - Sunshine.Duration.daily.sum..sfc.	1	1234.9	1440.0
## - Total.Precipitation.daily.sum..sfc.	1	1234.9	1440.0
## - Total.Cloud.Cover.daily.max..sfc.	1	1234.9	1440.0

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## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.      1  1235.2 1440.3
## - Relative.Humidity.daily.mean..2.m.above.gnd.      1  1235.3 1440.4
## - Wind.Direction.daily.mean..10.m.above.gnd.        1  1235.3 1440.4
## - Total.Cloud.Cover.daily.mean..sfc.                1  1235.5 1440.7
## - Wind.Speed.daily.min..80.m.above.gnd.             1  1235.6 1440.7
## - Wind.Speed.daily.mean..900.mb.                   1  1235.7 1440.8
## - Wind.Speed.daily.max..900.mb.                    1  1235.8 1440.9
## - High.Cloud.Cover.daily.max..high.cld.lay.         1  1235.9 1441.0
## - Year                                                1  1236.3 1441.5
## - X                                                    1  1236.4 1441.5
## - Total.Cloud.Cover.daily.min..sfc.                 1  1236.5 1441.6
## - Month                                               1  1236.6 1441.8
## - Snowfall.amount.raw.daily.sum..sfc.               1  1236.8 1442.0
## - Wind.Direction.daily.mean..80.m.above.gnd.        1  1236.8 1442.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.        1  1238.8 1443.9
## - Wind.Gust.daily.max..sfc.                         1  1239.0 1444.1
## - Wind.Speed.daily.max..10.m.above.gnd.             1  1239.2 1444.3
## - Temperature.daily.min..2.m.above.gnd.             1  1239.5 1444.7
## <none>                                                1234.2 1446.4
## - Wind.Speed.daily.min..10.m.above.gnd.            1  1242.7 1447.8
## - Temperature.daily.mean..2.m.above.gnd.           1  1244.1 1449.2
## - Wind.Speed.daily.mean..80.m.above.gnd.            1  1244.4 1449.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.           1  1247.2 1452.3
## - Wind.Direction.daily.mean..900.mb.               1  1248.6 1453.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL.          1  1249.7 1454.9
## - Mean.Sea.Level.Pressure.daily.min..MSL.           1  1256.0 1461.1
##
## Step:  AIC=1439.96
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
##   Total.Cloud.Cover.daily.mean..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Sunshine.Duration.daily.sum..sfc. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Total.Precipitation.daily.sum..sfc.      1  1235.5 1433.5
## - Sunshine.Duration.daily.sum..sfc.         1  1235.7 1433.8
## - Wind.Direction.daily.mean..10.m.above.gnd. 1  1235.9 1434.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1236.0 1434.0
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1236.0 1434.0
## - Wind.Speed.daily.min..80.m.above.gnd.      1  1236.2 1434.3
## - High.Cloud.Cover.daily.max..high.cld.lay.  1  1236.3 1434.4
## - Wind.Speed.daily.mean..900.mb.             1  1236.4 1434.4
## - Wind.Speed.daily.max..900.mb.              1  1236.4 1434.5
## - Total.Cloud.Cover.daily.min..sfc.          1  1236.8 1434.9
## - Year                                        1  1236.9 1434.9

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## - Total.Cloud.Cover.daily.mean..sfc.      1  1236.9 1435.0
## - X                                          1  1236.9 1435.0
## - Month                                    1  1237.2 1435.2
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1237.4 1435.4
## - Total.Cloud.Cover.daily.max..sfc.        1  1237.4 1435.5
## - Snowfall.amount.raw.daily.sum..sfc.      1  1237.5 1435.6
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1238.9 1436.9
## - Wind.Gust.daily.max..sfc.                1  1239.6 1437.7
## - Temperature.daily.min..2.m.above.gnd.    1  1239.8 1437.9
## - Wind.Speed.daily.max..10.m.above.gnd.    1  1240.3 1438.3
## <none>                                     1234.8 1440.0
## - Wind.Speed.daily.min..10.m.above.gnd.    1  1243.3 1441.3
## - Temperature.daily.mean..2.m.above.gnd.   1  1244.3 1442.4
## - Wind.Speed.daily.mean..80.m.above.gnd.   1  1245.6 1443.7
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1247.7 1445.7
## - Wind.Direction.daily.mean..900.mb.       1  1249.2 1447.2
## - Mean.Sea.Level.Pressure.daily.mean..MSL.  1  1250.2 1448.2
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1256.4 1454.5
##
## Step: AIC=1433.54
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Sunshine.Duration.daily.sum..sfc. +
##   Wind.Direction.daily.mean..10.m.above.gnd. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Sunshine.Duration.daily.sum..sfc.      1  1236.4 1427.4
## - Wind.Direction.daily.mean..10.m.above.gnd. 1  1236.7 1427.6
## - Wind.Speed.daily.min..80.m.above.gnd.    1  1236.8 1427.8
## - Wind.Speed.daily.mean..900.mb.          1  1236.9 1427.8
## - Wind.Speed.daily.max..900.mb.           1  1236.9 1427.9
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1236.9 1427.9
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1237.0 1428.0
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1237.3 1428.2
## - Year                                    1  1237.5 1428.5
## - X                                        1  1237.6 1428.6
## - Total.Cloud.Cover.daily.mean..sfc.      1  1237.6 1428.6
## - Total.Cloud.Cover.daily.min..sfc.       1  1237.7 1428.7
## - Month                                    1  1237.8 1428.8
## - Snowfall.amount.raw.daily.sum..sfc.     1  1237.9 1428.9
## - Total.Cloud.Cover.daily.max..sfc.       1  1237.9 1428.9
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1238.1 1429.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1239.4 1430.4
## - Temperature.daily.min..2.m.above.gnd.   1  1240.2 1431.2
## - Wind.Gust.daily.max..sfc.               1  1240.6 1431.6

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## - Wind.Speed.daily.max..10.m.above.gnd.      1    1240.8 1431.8
## <none>                                         1235.5 1433.5
## - Wind.Speed.daily.min..10.m.above.gnd.      1    1243.9 1434.8
## - Temperature.daily.mean..2.m.above.gnd.    1    1244.9 1435.9
## - Wind.Speed.daily.mean..80.m.above.gnd.     1    1246.1 1437.1
## - Mean.Sea.Level.Pressure.daily.max..MSL.    1    1247.8 1438.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL.   1    1250.3 1441.3
## - Wind.Direction.daily.mean..900.mb.        1    1250.5 1441.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.    1    1256.6 1447.5
##
## Step:  AIC=1427.39
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Direction.daily.mean..10.m.above.gnd. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Direction.daily.mean..10.m.above.gnd.  1    1237.6 1421.5
## - Total.Cloud.Cover.daily.mean..sfc.          1    1237.6 1421.5
## - Wind.Speed.daily.mean..900.mb.              1    1237.7 1421.6
## - High.Cloud.Cover.daily.max..high.cld.lay.   1    1237.7 1421.6
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.  1    1237.7 1421.6
## - Wind.Speed.daily.min..80.m.above.gnd.        1    1237.8 1421.7
## - Wind.Speed.daily.max..900.mb.               1    1237.8 1421.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1237.9 1421.8
## - Year                                          1    1238.5 1422.4
## - X                                            1    1238.5 1422.4
## - Snowfall.amount.raw.daily.sum..sfc.         1    1238.7 1422.6
## - Month                                        1    1238.8 1422.7
## - Total.Cloud.Cover.daily.min..sfc.           1    1238.9 1422.8
## - Total.Cloud.Cover.daily.max..sfc.           1    1238.9 1422.8
## - Wind.Direction.daily.mean..80.m.above.gnd.  1    1238.9 1422.8
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.  1    1240.3 1424.2
## - Temperature.daily.min..2.m.above.gnd.       1    1241.3 1425.2
## - Wind.Gust.daily.max..sfc.                   1    1241.5 1425.4
## - Wind.Speed.daily.max..10.m.above.gnd.       1    1241.9 1425.8
## <none>                                         1236.4 1427.4
## - Wind.Speed.daily.min..10.m.above.gnd.       1    1244.9 1428.8
## - Temperature.daily.mean..2.m.above.gnd.     1    1246.8 1430.7
## - Wind.Speed.daily.mean..80.m.above.gnd.     1    1246.9 1430.8
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1    1249.0 1432.9
## - Wind.Direction.daily.mean..900.mb.         1    1250.9 1434.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL.    1    1251.7 1435.6
## - Mean.Sea.Level.Pressure.daily.min..MSL.    1    1258.2 1442.1
##
## Step:  AIC=1421.48

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## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Speed.daily.mean..900.mb. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
##   Wind.Gust.daily.max..sfc.
##
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.mean..900.mb.          1   1238.6 1415.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1   1238.7 1415.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1   1238.8 1415.6
## - Wind.Speed.daily.min..80.m.above.gnd.      1   1238.8 1415.6
## - Total.Cloud.Cover.daily.mean..sfc.         1   1239.0 1415.8
## - Wind.Speed.daily.max..900.mb.             1   1239.0 1415.8
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1   1239.3 1416.1
## - Year                                     1   1239.6 1416.4
## - X                                       1   1239.6 1416.5
## - Month                                 1   1239.9 1416.7
## - Total.Cloud.Cover.daily.min..sfc.         1   1240.0 1416.8
## - Total.Cloud.Cover.daily.max..sfc.         1   1240.0 1416.8
## - Snowfall.amount.raw.daily.sum..sfc.       1   1240.1 1416.9
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1   1241.6 1418.4
## - Wind.Direction.daily.mean..80.m.above.gnd. 1   1241.7 1418.5
## - Temperature.daily.min..2.m.above.gnd.     1   1242.2 1419.1
## - Wind.Gust.daily.max..sfc.                 1   1242.8 1419.6
## - Wind.Speed.daily.max..10.m.above.gnd.     1   1243.3 1420.1
## <none>                                     1237.6 1421.5
## - Wind.Speed.daily.min..10.m.above.gnd.     1   1245.8 1422.7
## - Wind.Speed.daily.mean..80.m.above.gnd.    1   1247.7 1424.5
## - Temperature.daily.mean..2.m.above.gnd.    1   1247.7 1424.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1   1250.3 1427.1
## - Wind.Direction.daily.mean..900.mb.        1   1251.0 1427.8
## - Mean.Sea.Level.Pressure.daily.mean..MSL.  1   1253.2 1430.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1   1259.8 1436.7
##
## Step:  AIC=1415.46
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Speed.daily.max..900.mb. + Wind.Gust.daily.max..sfc.
##

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##                                     Df Deviance    AIC
## - Wind.Speed.daily.max..900.mb.      1  1239.0 1408.8
## - Wind.Speed.daily.min..80.m.above.gnd. 1  1239.7 1409.4
## - Total.Cloud.Cover.daily.mean..sfc.  1  1239.8 1409.5
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1239.8 1409.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1239.9 1409.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1240.2 1409.9
## - Year                                1  1240.5 1410.3
## - X                                    1  1240.6 1410.3
## - Month                                1  1240.8 1410.6
## - Total.Cloud.Cover.daily.min..sfc.    1  1241.0 1410.8
## - Total.Cloud.Cover.daily.max..sfc.    1  1241.2 1411.0
## - Snowfall.amount.raw.daily.sum..sfc.  1  1241.6 1411.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1242.4 1412.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1242.5 1412.3
## - Temperature.daily.min..2.m.above.gnd. 1  1243.0 1412.8
## - Wind.Gust.daily.max..sfc.            1  1243.7 1413.5
## - Wind.Speed.daily.max..10.m.above.gnd. 1  1244.1 1413.8
## <none>                                1238.6 1415.5
## - Wind.Speed.daily.min..10.m.above.gnd. 1  1246.7 1416.5
## - Wind.Speed.daily.mean..80.m.above.gnd. 1  1247.7 1417.5
## - Temperature.daily.mean..2.m.above.gnd. 1  1248.3 1418.1
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1  1250.7 1420.4
## - Wind.Direction.daily.mean..900.mb.    1  1251.9 1421.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1  1253.3 1423.1
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1  1259.8 1429.6
##
## Step: AIC=1408.79
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.min..80.m.above.gnd. +
##   Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Wind.Speed.daily.min..80.m.above.gnd. 1  1240.0 1402.7
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1240.1 1402.8
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1240.2 1402.9
## - Total.Cloud.Cover.daily.mean..sfc.    1  1240.2 1402.9
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1240.5 1403.2
## - Year                                1  1240.9 1403.6
## - X                                    1  1240.9 1403.6
## - Month                                1  1241.2 1403.9
## - Total.Cloud.Cover.daily.min..sfc.    1  1241.5 1404.2
## - Total.Cloud.Cover.daily.max..sfc.    1  1241.6 1404.3
## - Snowfall.amount.raw.daily.sum..sfc.  1  1241.8 1404.5
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1242.7 1405.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1243.0 1405.7

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## - Temperature.daily.min..2.m.above.gnd.      1  1243.4 1406.1
## - Wind.Gust.daily.max..sfc.                  1  1244.1 1406.7
## - Wind.Speed.daily.max..10.m.above.gnd.       1  1244.3 1407.0
## <none>                                         1239.0 1408.8
## - Wind.Speed.daily.min..10.m.above.gnd.       1  1247.0 1409.7
## - Wind.Speed.daily.mean..80.m.above.gnd.      1  1248.2 1410.9
## - Temperature.daily.mean..2.m.above.gnd.      1  1248.8 1411.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.     1  1251.2 1413.9
## - Wind.Direction.daily.mean..900.mb.         1  1251.9 1414.6
## - Mean.Sea.Level.Pressure.daily.mean..MSL.    1  1253.6 1416.3
## - Mean.Sea.Level.Pressure.daily.min..MSL.     1  1260.0 1422.7
##
## Step:  AIC=1402.73
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Total.Cloud.Cover.daily.mean..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Total.Cloud.Cover.daily.mean..sfc.      1  1241.0 1396.7
## - High.Cloud.Cover.daily.max..high.cld.lay. 1  1241.2 1396.8
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1  1241.3 1397.0
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1  1241.6 1397.2
## - Year                                     1  1241.9 1397.5
## - X                                       1  1241.9 1397.5
## - Month                                  1  1242.2 1397.8
## - Total.Cloud.Cover.daily.min..sfc.       1  1242.5 1398.1
## - Snowfall.amount.raw.daily.sum..sfc.     1  1242.5 1398.1
## - Total.Cloud.Cover.daily.max..sfc.       1  1242.7 1398.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1  1244.0 1399.6
## - Wind.Direction.daily.mean..80.m.above.gnd. 1  1244.3 1399.9
## - Temperature.daily.min..2.m.above.gnd.   1  1244.5 1400.2
## - Wind.Gust.daily.max..sfc.               1  1245.2 1400.8
## - Wind.Speed.daily.max..10.m.above.gnd.   1  1246.9 1402.5
## <none>                                     1240.0 1402.7
## - Wind.Speed.daily.min..10.m.above.gnd.   1  1249.7 1405.3
## - Temperature.daily.mean..2.m.above.gnd.   1  1249.9 1405.5
## - Mean.Sea.Level.Pressure.daily.max..MSL.   1  1252.4 1408.0
## - Wind.Direction.daily.mean..900.mb.       1  1253.3 1408.9
## - Wind.Speed.daily.mean..80.m.above.gnd.   1  1254.4 1410.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1  1254.8 1410.4
## - Mean.Sea.Level.Pressure.daily.min..MSL.   1  1261.2 1416.8
##
## Step:  AIC=1396.66
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +

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## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## High.Cloud.Cover.daily.max..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - High.Cloud.Cover.daily.max..high.cld.lay. 1 1242.1 1390.6
## - Year 1 1242.8 1391.3
## - X 1 1242.9 1391.4
## - Month 1 1243.2 1391.7
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1243.3 1391.9
## - Snowfall.amount.raw.daily.sum..sfc. 1 1243.7 1392.3
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1244.7 1393.2
## - Total.Cloud.Cover.daily.min..sfc. 1 1244.7 1393.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1244.8 1393.4
## - Temperature.daily.min..2.m.above.gnd. 1 1244.9 1393.4
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1245.2 1393.8
## - Total.Cloud.Cover.daily.max..sfc. 1 1245.9 1394.4
## - Wind.Gust.daily.max..sfc. 1 1246.4 1394.9
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1248.0 1396.5
## <none> 1241.0 1396.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1250.0 1398.5
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1251.4 1400.0
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1253.3 1401.8
## - Wind.Direction.daily.mean..900.mb. 1 1254.4 1403.0
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1255.7 1404.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1256.0 1404.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1262.1 1410.6
##
## Step: AIC=1390.6
## pluie.demain ~ X + Year + Month + Temperature.daily.mean..2.m.above.gnd. +
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Year 1 1243.8 1385.3
## - X 1 1243.9 1385.4
## - Month 1 1244.2 1385.6
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1244.4 1385.8
## - Snowfall.amount.raw.daily.sum..sfc. 1 1244.9 1386.3
## - Total.Cloud.Cover.daily.min..sfc. 1 1245.6 1387.1
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1245.9 1387.3
## - Temperature.daily.min..2.m.above.gnd. 1 1246.3 1387.7
## - Total.Cloud.Cover.daily.max..sfc. 1 1247.1 1388.6
## - Wind.Gust.daily.max..sfc. 1 1247.7 1389.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1247.9 1389.4

```

```

## - Medium.Cloud.Cover.daily.max..mid.cld.lay.      1    1248.2 1389.6
## - Wind.Speed.daily.max..10.m.above.gnd.            1    1248.8 1390.3
## <none>                                              1242.1 1390.6
## - Temperature.daily.mean..2.m.above.gnd.          1    1252.0 1393.5
## - Wind.Speed.daily.min..10.m.above.gnd.            1    1252.1 1393.6
## - Mean.Sea.Level.Pressure.daily.max..MSL.          1    1254.4 1395.9
## - Wind.Direction.daily.mean..900.mb.              1    1255.6 1397.1
## - Wind.Speed.daily.mean..80.m.above.gnd.           1    1256.9 1398.3
## - Mean.Sea.Level.Pressure.daily.mean..MSL.         1    1257.1 1398.5
## - Mean.Sea.Level.Pressure.daily.min..MSL.          1    1263.5 1405.0
##
## Step: AIC=1385.29
## pluie.demain ~ X + Month + Temperature.daily.mean..2.m.above.gnd. +
##   Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
##   Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##   Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##   Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##   Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##   Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##                                     Df Deviance    AIC
## - Month                             1    1245.8 1380.2
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1    1245.9 1380.3
## - Snowfall.amount.raw.daily.sum..sfc.          1    1246.5 1380.9
## - Total.Cloud.Cover.daily.min..sfc.             1    1247.6 1382.0
## - Wind.Direction.daily.mean..80.m.above.gnd.    1    1247.8 1382.2
## - Temperature.daily.min..2.m.above.gnd.         1    1248.0 1382.4
## - X                                              1    1248.8 1383.2
## - Total.Cloud.Cover.daily.max..sfc.             1    1249.0 1383.4
## - Wind.Gust.daily.max..sfc.                     1    1249.1 1383.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay.   1    1249.7 1384.1
## - Medium.Cloud.Cover.daily.max..mid.cld.lay.    1    1250.0 1384.3
## - Wind.Speed.daily.max..10.m.above.gnd.         1    1250.6 1385.0
## <none>                                          1243.8 1385.3
## - Temperature.daily.mean..2.m.above.gnd.        1    1253.6 1388.0
## - Wind.Speed.daily.min..10.m.above.gnd.          1    1253.9 1388.3
## - Mean.Sea.Level.Pressure.daily.max..MSL.        1    1255.9 1390.3
## - Wind.Direction.daily.mean..900.mb.            1    1257.7 1392.1
## - Mean.Sea.Level.Pressure.daily.mean..MSL.       1    1258.5 1392.9
## - Wind.Speed.daily.mean..80.m.above.gnd.         1    1258.7 1393.0
## - Mean.Sea.Level.Pressure.daily.min..MSL.        1    1264.9 1399.2
##
## Step: AIC=1380.17
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Relative.Humidity.daily.mean..2.m.above.gnd. +
##   Mean.Sea.Level.Pressure.daily.mean..MSL. + Snowfall.amount.raw.daily.sum..sfc. +
##   Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##   Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
##   Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##   Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
##   Total.Cloud.Cover.daily.min..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
##   Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
##   Wind.Gust.daily.max..sfc.

```

```

##
##
## - Relative.Humidity.daily.mean..2.m.above.gnd. 1 1247.3 1374.6
## - Snowfall.amount.raw.daily.sum..sfc. 1 1248.8 1376.2
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1249.0 1376.4
## - Total.Cloud.Cover.daily.min..sfc. 1 1249.6 1376.9
## - Wind.Gust.daily.max..sfc. 1 1250.7 1378.0
## - X 1 1250.9 1378.2
## - Temperature.daily.min..2.m.above.gnd. 1 1251.0 1378.3
## - Total.Cloud.Cover.daily.max..sfc. 1 1251.1 1378.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1251.6 1379.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1252.1 1379.4
## <none> 1245.8 1380.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1253.3 1380.7
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1256.3 1383.6
## - Temperature.daily.mean..2.m.above.gnd. 1 1256.3 1383.7
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1258.0 1385.3
## - Wind.Direction.daily.mean..900.mb. 1 1259.0 1386.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1260.4 1387.7
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1261.5 1388.8
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1266.8 1394.1
##
## Step: AIC=1374.61
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL.
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Snowfall.amount.raw.daily.sum..sfc. 1 1250.1 1370.3
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1250.3 1370.5
## - Temperature.daily.min..2.m.above.gnd. 1 1251.2 1371.4
## - X 1 1251.4 1371.7
## - Total.Cloud.Cover.daily.min..sfc. 1 1251.5 1371.8
## - Wind.Gust.daily.max..sfc. 1 1252.0 1372.2
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1252.8 1373.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1253.1 1373.4
## <none> 1247.3 1374.6
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1254.5 1374.8
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1254.6 1374.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1256.4 1376.6
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1257.1 1377.4
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1259.5 1379.8
## - Wind.Direction.daily.mean..900.mb. 1 1260.1 1380.4
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1262.1 1382.3
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1262.5 1382.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1268.6 1388.8
##
## Step: AIC=1370.33
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL.

```

```

## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..900.mb. +
## Temperature.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Direction.daily.mean..80.m.above.gnd. 1 1253.4 1366.5
## - Total.Cloud.Cover.daily.min..sfc. 1 1253.8 1366.9
## - Temperature.daily.min..2.m.above.gnd. 1 1254.0 1367.2
## - X 1 1254.8 1368.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1255.5 1368.7
## - Wind.Gust.daily.max..sfc. 1 1255.8 1369.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1256.2 1369.4
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1256.4 1369.5
## <none> 1250.1 1370.3
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1257.3 1370.5
## - Temperature.daily.mean..2.m.above.gnd. 1 1259.5 1372.7
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1260.2 1373.3
## - Wind.Direction.daily.mean..900.mb. 1 1263.5 1376.7
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1263.5 1376.7
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1265.0 1378.2
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1265.3 1378.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1270.7 1383.8
##
## Step: AIC=1366.54
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL.
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Total.Cloud.Cover.daily.min..sfc. 1 1256.1 1362.2
## - X 1 1257.9 1364.0
## - Total.Cloud.Cover.daily.max..sfc. 1 1258.4 1364.5
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1258.6 1364.7
## - Wind.Gust.daily.max..sfc. 1 1259.2 1365.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1259.4 1365.5
## - Temperature.daily.min..2.m.above.gnd. 1 1259.6 1365.7
## <none> 1253.4 1366.5
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1261.8 1367.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1263.5 1369.7
## - Wind.Direction.daily.mean..900.mb. 1 1263.6 1369.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1266.2 1372.3
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1267.0 1373.1
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1267.4 1373.5
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1268.6 1374.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1273.8 1379.9
##

```

```

## Step: AIC=1362.23
## pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - X 1 1260.3 1359.3
## - Total.Cloud.Cover.daily.max..sfc. 1 1261.0 1360.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1261.2 1360.2
## - Temperature.daily.min..2.m.above.gnd. 1 1261.3 1360.3
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1261.7 1360.7
## - Wind.Gust.daily.max..sfc. 1 1261.7 1360.7
## <none> 1256.1 1362.2
## - Wind.Direction.daily.mean..900.mb. 1 1265.5 1364.5
## - Temperature.daily.mean..2.m.above.gnd. 1 1267.4 1366.4
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1268.1 1367.1
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1269.6 1368.6
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1271.1 1370.1
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1271.2 1370.2
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1271.5 1370.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1276.2 1375.2
##
## Step: AIC=1359.3
## pluie.demain ~ Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd. +
## Wind.Gust.daily.max..sfc.
##
##
## Df Deviance AIC
## - Wind.Gust.daily.max..sfc. 1 1264.0 1355.9
## - Total.Cloud.Cover.daily.max..sfc. 1 1264.7 1356.7
## - Temperature.daily.min..2.m.above.gnd. 1 1265.6 1357.6
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1265.9 1357.8
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1267.3 1359.3
## <none> 1260.3 1359.3
## - Wind.Direction.daily.mean..900.mb. 1 1269.9 1361.8
## - Temperature.daily.mean..2.m.above.gnd. 1 1271.9 1363.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1272.4 1364.3
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1273.7 1365.7
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1274.6 1366.5
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1275.6 1367.6
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1275.7 1367.7
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1281.0 1372.9
##
## Step: AIC=1355.91
## pluie.demain ~ Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +

```

```

## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd.
##
##
## Df Deviance AIC
## - Total.Cloud.Cover.daily.max..sfc. 1 1268.5 1353.4
## - Temperature.daily.min..2.m.above.gnd. 1 1269.4 1354.3
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1269.5 1354.4
## <none> 1264.0 1355.9
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1274.4 1359.3
## - Wind.Direction.daily.mean..900.mb. 1 1275.0 1359.9
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1275.8 1360.7
## - Temperature.daily.mean..2.m.above.gnd. 1 1275.9 1360.8
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1278.6 1363.4
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1279.9 1364.7
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1281.1 1366.0
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1281.1 1366.0
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1287.3 1372.2
##
## Step: AIC=1353.39
## pluie.demain ~ Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd.
##
##
## Df Deviance AIC
## - Temperature.daily.min..2.m.above.gnd. 1 1272.3 1350.1
## <none> 1268.5 1353.4
## - Temperature.daily.mean..2.m.above.gnd. 1 1277.8 1355.6
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1278.6 1356.4
## - Wind.Direction.daily.mean..900.mb. 1 1280.2 1358.1
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1281.6 1359.4
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1283.0 1360.8
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1283.3 1361.1
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1284.1 1361.9
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1285.4 1363.2
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1286.7 1364.5
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1291.2 1369.0
##
## Step: AIC=1350.14
## pluie.demain ~ Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd.
##
##
## Df Deviance AIC
## <none> 1272.3 1350.1
## - Wind.Direction.daily.mean..900.mb. 1 1281.0 1351.8
## - Wind.Speed.daily.min..10.m.above.gnd. 1 1281.2 1351.9
## - Wind.Speed.daily.mean..80.m.above.gnd. 1 1284.5 1355.2

```

```
## - Medium.Cloud.Cover.daily.mean..mid.cld.lay. 1 1285.2 1355.9
## - Mean.Sea.Level.Pressure.daily.max..MSL. 1 1286.2 1357.0
## - Medium.Cloud.Cover.daily.max..mid.cld.lay. 1 1286.8 1357.5
## - Mean.Sea.Level.Pressure.daily.mean..MSL. 1 1289.0 1359.7
## - Wind.Speed.daily.max..10.m.above.gnd. 1 1289.6 1360.3
## - Temperature.daily.mean..2.m.above.gnd. 1 1293.2 1363.9
## - Mean.Sea.Level.Pressure.daily.min..MSL. 1 1296.0 1366.8
```

```
# summary(m6)
pred_backward_aic=predict(m6, d , type = "response")
tab_backward=table(d$pluie.demain, pred_backward_aic >=.5)
tab_backward
```

```
##
##          FALSE TRUE
## FALSE    409  170
## TRUE     127  474
```

```
matrixconfusion_bacward=1-sum(diag(tab_backward)/sum(tab_backward))
matrixconfusion_bacward
```

```
## [1] 0.2516949
```

la valeur de matrice de confusion est de 25.16%

## Choix de modèle à l'aide de déviance

### Analysons la déviance. La sortie nous indique

```
# m1=glm(pluie.demain~ . , data=d, family=binomial)
# d'après summary(m1)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1232.4 on 1135 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1232.4, 1179 - 1135, lower = F)
```

```
## [1] 1.654304e-59
```

*# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti*

```
# Comparons maintenant notre modèle au modèle saturé
pchisq(1232.4, 1135, lower = F)
```

```
## [1] 0.02261613
```

```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre
# m2=step(m1)
# d'après summary(m2)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1247.3 on 1162 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1247.3, 1179 - 1162 , lower = F)
```

```
## [1] 5.67989e-72
```

```
# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti

# Comparons maintenant notre modèle au modèle saturé
pchisq(1247.3, 1162, lower = F)
```

```
## [1] 0.04078618
```

```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre
# Notons que dans cette situation, notre modèle m2 bien qu'insuffisant, peut tout de même être utile.
# d'après summary(m3)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1381.3 on 1174 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1381.3, 1179 - 1174 , lower = F)
```

```
## [1] 7.249852e-53
```

```
# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti

# Comparons maintenant notre modèle au modèle saturé
pchisq(1381.3, 1174, lower = F)
```

```
## [1] 2.422467e-05
```

```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre
# d'après summary(m4)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1312.3 on 1171 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1312.3, 1179 - 1171 , lower = F)
```

```
## [1] 4.949777e-65
```

```
# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti

# Comparons maintenant notre modèle au modèle saturé
pchisq(1312.3, 1171, lower = F)
```

```
## [1] 0.002374343
```



```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre
# d'après summary(m5)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1304.2 on 1170 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1304.2, 1179 - 1170 , lower = F)
```

```
## [1] 6.181885e-66
```

```
# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti

# Comparons maintenant notre modèle au modèle saturé
pchisq(1304.2, 1170, lower = F)
```

```
## [1] 0.003589709
```

```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre

# d'après summary(m6)
# Null deviance: 1635.4 on 1179 degrees of freedom
# Residual deviance: 1272.3 on 1169 degrees of freedom
# On commence par comparer notre modèle au modèle sans covariable
pchisq(1635.4 - 1272.3, 1179 - 1169, lower = F)
```

```
## [1] 6.595256e-72
```

```
# On obtient une p-valeur très faible : on rejette le modèle sans covariable. Notre modèle est donc uti

# Comparons maintenant notre modèle au modèle saturé
pchisq(1272.3, 1169, lower = F)
```

```
## [1] 0.01830009
```

```
# Là aussi, la p-valeur est faible : on rejette donc notre modèle et on préfère le modèle saturé. Autre
```

## choix de modèle à l'aide de anova

```
anova(m1,m2,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
```

```
## Model 1: pluie.demain ~ X + Year + Month + Day + Hour + Minute + Temperature.daily.mean..2.m.above.g
```

```
## Relative.Humidity.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean..MSL. +
```

```
## Total.Precipitation.daily.sum..sfc. + Snowfall.amount.raw.daily.sum..sfc. +
```

```
## Total.Cloud.Cover.daily.mean..sfc. + High.Cloud.Cover.daily.mean..high.cld.lay. +
```

```
## Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Low.Cloud.Cover.daily.mean..low.cld.lay. +
```

```
## Sunshine.Duration.daily.sum..sfc. + Shortwave.Radiation.daily.sum..sfc. +
```

```
## Wind.Speed.daily.mean..10.m.above.gnd. + Wind.Direction.daily.mean..10.m.above.gnd. +
```

```
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Speed.daily.mean..900.mb. + Wind.Direction.daily.mean..900.mb. +
## Wind.Gust.daily.mean..sfc. + Temperature.daily.max..2.m.above.gnd. +
## Temperature.daily.min..2.m.above.gnd. + Relative.Humidity.daily.max..2.m.above.gnd. +
## Relative.Humidity.daily.min..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.max..MSL. +
## Mean.Sea.Level.Pressure.daily.min..MSL. + Total.Cloud.Cover.daily.max..sfc. +
## Total.Cloud.Cover.daily.min..sfc. + High.Cloud.Cover.daily.max..high.cld.lay. +
## High.Cloud.Cover.daily.min..high.cld.lay. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
## Medium.Cloud.Cover.daily.min..mid.cld.lay. + Low.Cloud.Cover.daily.max..low.cld.lay. +
## Low.Cloud.Cover.daily.min..low.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Speed.daily.max..80.m.above.gnd. +
## Wind.Speed.daily.min..80.m.above.gnd. + Wind.Speed.daily.max..900.mb. +
## Wind.Speed.daily.min..900.mb. + Wind.Gust.daily.max..sfc. +
## Wind.Gust.daily.min..sfc.
## Model 2: pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.m
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
## Resid. Df Resid. Dev Df Deviance Pr(>Chi)
## 1 1135 1232.4
## 2 1162 1247.3 -27 -14.894 0.9709
```

```
anova(m3,m2,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Wind.Speed.daily.min..10.m.above.gnd.
## Model 2: pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.m
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
## Resid. Df Resid. Dev Df Deviance Pr(>Chi)
## 1 1174 1381.3
## 2 1162 1247.3 12 133.97 < 2.2e-16 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m4,m3,m2,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
```

```
## Wind.Speed.daily.min..10.m.above.gnd. + Sunshine.Duration.daily.sum..sfc. +
## Total.Cloud.Cover.daily.max..sfc. + Temperature.daily.max..2.m.above.gnd.
## Model 2: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Wind.Speed.daily.min..10.m.above.gnd.
## Model 3: pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.m
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
## Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
## Resid. Df Resid. Dev Df Deviance Pr(>Chi)
## 1 1171 1312.3
## 2 1174 1381.3 -3 -68.996 7.002e-15 ***
## 3 1162 1247.3 12 133.975 < 2.2e-16 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m3,m4,test="LRT")
```

```
## Analysis of Deviance Table
##
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Wind.Speed.daily.min..10.m.above.gnd.
## Model 2: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Wind.Speed.daily.min..10.m.above.gnd. + Sunshine.Duration.daily.sum..sfc. +
## Total.Cloud.Cover.daily.max..sfc. + Temperature.daily.max..2.m.above.gnd.
## Resid. Df Resid. Dev Df Deviance Pr(>Chi)
## 1 1174 1381.3
## 2 1171 1312.3 3 68.996 7.002e-15 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m5,m2,test="LRT")
```

```
## Analysis of Deviance Table
##
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Sunshine.Duration.daily.sum..sfc. + Total.Cloud.Cover.daily.max..sfc. +
## Temperature.daily.max..2.m.above.gnd. + Wind.Gust.daily.max..sfc. *
## Mean.Sea.Level.Pressure.daily.min..MSL.
## Model 2: pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.m
## Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
## Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
## Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
## Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
## Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
## Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
```

```
##      Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##      Resid. Df Resid. Dev Df Deviance  Pr(>Chi)
## 1      1170      1304.2
## 2      1162      1247.3  8    56.938 1.852e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m5,m4,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
```

```
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
##      Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##      Sunshine.Duration.daily.sum..sfc. + Total.Cloud.Cover.daily.max..sfc. +
##      Temperature.daily.max..2.m.above.gnd. + Wind.Gust.daily.max..sfc. *
##      Mean.Sea.Level.Pressure.daily.min..MSL.
## Model 2: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
##      Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##      Wind.Speed.daily.min..10.m.above.gnd. + Sunshine.Duration.daily.sum..sfc. +
##      Total.Cloud.Cover.daily.max..sfc. + Temperature.daily.max..2.m.above.gnd.
##      Resid. Df Resid. Dev Df Deviance Pr(>Chi)
## 1      1170      1304.2
## 2      1171      1312.3 -1   -8.0417 0.004571 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m5,m3,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
```

```
## Model 1: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
##      Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##      Sunshine.Duration.daily.sum..sfc. + Total.Cloud.Cover.daily.max..sfc. +
##      Temperature.daily.max..2.m.above.gnd. + Wind.Gust.daily.max..sfc. *
##      Mean.Sea.Level.Pressure.daily.min..MSL.
## Model 2: pluie.demain ~ Mean.Sea.Level.Pressure.daily.mean..MSL. + Wind.Direction.daily.mean..900.mb
##      Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##      Wind.Speed.daily.min..10.m.above.gnd.
##      Resid. Df Resid. Dev Df Deviance  Pr(>Chi)
## 1      1170      1304.2
## 2      1174      1381.3 -4   -77.038 7.384e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
anova(m6,m2,test="LRT")
```

```
## Analysis of Deviance Table
```

```
##
```

```
## Model 1: pluie.demain ~ Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.mean.
##      Medium.Cloud.Cover.daily.mean..mid.cld.lay. + Wind.Speed.daily.mean..80.m.above.gnd. +
##      Wind.Direction.daily.mean..900.mb. + Mean.Sea.Level.Pressure.daily.max..MSL. +
##      Mean.Sea.Level.Pressure.daily.min..MSL. + Medium.Cloud.Cover.daily.max..mid.cld.lay. +
```

```
##      Wind.Speed.daily.max..10.m.above.gnd. + Wind.Speed.daily.min..10.m.above.gnd.
## Model 2: pluie.demain ~ X + Temperature.daily.mean..2.m.above.gnd. + Mean.Sea.Level.Pressure.daily.m
##      Snowfall.amount.raw.daily.sum..sfc. + Medium.Cloud.Cover.daily.mean..mid.cld.lay. +
##      Wind.Speed.daily.mean..80.m.above.gnd. + Wind.Direction.daily.mean..80.m.above.gnd. +
##      Wind.Direction.daily.mean..900.mb. + Temperature.daily.min..2.m.above.gnd. +
##      Mean.Sea.Level.Pressure.daily.max..MSL. + Mean.Sea.Level.Pressure.daily.min..MSL. +
##      Total.Cloud.Cover.daily.max..sfc. + Total.Cloud.Cover.daily.min..sfc. +
##      Medium.Cloud.Cover.daily.max..mid.cld.lay. + Wind.Speed.daily.max..10.m.above.gnd. +
##      Wind.Speed.daily.min..10.m.above.gnd. + Wind.Gust.daily.max..sfc.
##      Resid. Df Resid. Dev Df Deviance  Pr(>Chi)
## 1      1169      1272.3
## 2      1162      1247.3  7    25.044 0.0007453 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

D'après les différents tests anova ,le modèle m2 est le meilleur.

d'après les différents choix de modèles ci dessus, on a choisit le modèle m2 pour faire la prédiction sur le données test.

```
#prédiction sur les données test D
pred_test_m2=predict(m2,newdata = D, type = "response")
head(pred_test_m2)
```

```
##      1      2      3      4      5      6
## 0.2799017 0.7992082 0.5830196 0.6477012 0.5034632 0.3448316
```

```
predict_test_m2=(pred_test_m2 >=.5)
head(predict_test_m2)
```

```
##      1      2      3      4      5      6
## FALSE TRUE  TRUE  TRUE  TRUE FALSE
```