Formato Archivo forecast.ss

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Contents

1 Contexto

1.1 Identificamos los directorio de trabajo

```
dirname.base <- here("simple")
dirname.simple_base <- here("simple_base")
dirname.simple_mod <- here("simple_modificado")
```

1.2 Leer los archivos de Stock Synthesis con la función `SS_read()`

```
inputs <- r4ss::SS_read(dir = dirname.simple_mod)
```

1.3 Investigar el modelo

Cada uno de los archivos de entrada se lee en R como una lista.

Use `names()` para ver todos los componentes de la lista

1.4 Revisamos los elementos de la lista

```
names(inputs)
## [1] "dir"     "path"    "dat"     "ctl"     "start"   "fore"    "wtatage"

inputs$dir
## [1] "/Users/mariajosezunigabasualto/Modelos_SS3/SS3_GSA/simple_modificado"
inputs$path
## [1] "/Users/mariajosezunigabasualto/Modelos_SS3/SS3_GSA/simple_modificado"
```

1.5 Revisamos los nombres de los componentes de la lista del archivo forecast

```
names(inputs$fore)
##  [1] "warnings"
##  [2] "SSversion"
##  [3] "sourcefile"
##  [4] "type"
##  [5] "benchmarks"
##  [6] "MSY"
##  [7] "SPRtarget"
##  [8] "Btarget"
##  [9] "Bmark_years"
## [10] "Bmark_relF_Basis"
## [11] "Forecast"
## [12] "Nforecastyrs"
## [13] "F_scalar"
## [14] "Fcast_years"
## [15] "Fcast_selex"
## [16] "ControlRuleMethod"
## [17] "BforconstantF"
## [18] "BfornoF"
## [19] "Flimitfraction"
## [20] "N_forecast_loops"
## [21] "First_forecast_loop_with_stochastic_recruitment"
## [22] "fcast_rec_option"
```

```
## [23] "fcast_rec_val"
## [24] "Forecast_loop_control_5"
## [25] "FirstYear_for_caps_and_allocations"
## [26] "stddev_of_log_catch_ratio"
## [27] "Do_West_Coast_gfish_rebuilder_output"
## [28] "Ydecl"
## [29] "Yinit"
## [30] "fleet_relative_F"
## [31] "basis_for_fcast_catch_tuning"
## [32] "N_allocation_groups"
## [33] "InputBasis"
## [34] "eof"
```

```
inputs$fore[1]
## $warnings
## [1] ""
inputs$fore[2]
## $SSversion
## [1] 3.3
inputs$fore[3]
## $sourcefile
## [1] "/Users/mariajosezunigabasualto/Modelos_SS3/SS3_GSA/simple_modificado/forecast.ss"
inputs$fore[4]
## $type
## [1] "Stock_Synthesis_forecast_file"
inputs$fore[5]
## $benchmarks
## [1] 1
inputs$fore[6]
## $MSY
## [1] 2
inputs$fore[7]
## $SPRtarget
## [1] 0.4
inputs$fore[8]
## $Btarget
## [1] 0.342
inputs$fore[9]
## $Bmark_years
##   #_Bmark_years_1  #_Bmark_years_2  #_Bmark_years_3  #_Bmark_years_4
##              2001             2001             2001             2001
##   #_Bmark_years_5  #_Bmark_years_6  #_Bmark_years_7  #_Bmark_years_8
##              2001             2001             1971             2001
##   #_Bmark_years_9 #_Bmark_years_10
##              1971             2001

inputs$fore[10]
## $Bmark_relF_Basis
## [1] 1
inputs$fore[11]
## $Forecast
## [1] 1
inputs$fore[12]
## $Nforecastyrs
```

```
## [1] 10
inputs$fore[13]
## $F_scalar
## [1] 0.2
inputs$fore[14]
## $Fcast_years
## #_Fcast_years_1 #_Fcast_years_2 #_Fcast_years_3 #_Fcast_years_4 #_Fcast_years_5
##               0               0             -10               0            -999
## #_Fcast_years_6
##               0
inputs$fore[15]
## $Fcast_selex
## [1] 0
inputs$fore[16]
## $ControlRuleMethod
## [1] 1
inputs$fore[17]
## $BforconstantF
## [1] 0.4
inputs$fore[18]
## $BfornoF
## [1] 0.1
inputs$fore[19]
## $Flimitfraction
## [1] 0.75

inputs$fore[20]
## $N_forecast_loops
## [1] 3
inputs$fore[21]
## $First_forecast_loop_with_stochastic_recruitment
## [1] 3
inputs$fore[22]
## $fcast_rec_option
## [1] 1
inputs$fore[23]
## $fcast_rec_val
## [1] 1
inputs$fore[24]
## $Forecast_loop_control_5
## [1] 0
inputs$fore[25]
## $FirstYear_for_caps_and_allocations
## [1] 2010
inputs$fore[26]
## $stddev_of_log_catch_ratio
## [1] 0
inputs$fore[27]
## $Do_West_Coast_gfish_rebuilder_output
## [1] 0
inputs$fore[28]
## $Ydecl
## [1] 1999
```

```
inputs$fore[29]
## $Yinit
## [1] 2002

inputs$fore[30]
## $fleet_relative_F
## [1] 1
inputs$fore[31]
## $basis_for_fcast_catch_tuning
## [1] 2
inputs$fore[32]
## $N_allocation_groups
## [1] 0
inputs$fore[33]
## $InputBasis
## [1] 2
inputs$fore[34]
## $eof
## [1] TRUE
```