## DATOS MESO EN BRUTO (RasterBrick,”cubo” 3 dimensiones):

bfi\_index : Formal class 'RasterBrick' [package "raster"] with 12 slots

max\_individual\_wave\_height : Formal class 'RasterBrick' [package "raster"] with 12 slots

mean\_wave\_direc : Formal class 'RasterBrick' [package "raster"] with 12 slots

mean\_wave\_period : Formal class 'RasterBrick' [package "raster"] with 12 slots

peak\_wave\_period : Formal class 'RasterBrick' [package "raster"] with 12 slots

signif\_wave\_height : Formal class 'RasterBrick' [package "raster"] with 12 slots

u\_wind\_comp\_10 : Formal class 'RasterBrick' [package "raster"] with 12 slots

v\_wind\_comp\_10 : Formal class 'RasterBrick' [package "raster"] with 12 slots

wave\_spectral\_kurtosis : Formal class 'RasterBrick' [package "raster"] with 12 slots

## DATOS CONSUMO DE COMBUSTIBLE CARGADOS, UNIDOS Y ORDENADOS (dataframe, formato largo (velocidades), columnas veloc, year, month y fuel):

fuel\_fix\_vel : tibble [2,100 x 4] (S3: tbl\_df/tbl/data.frame)

## DATOS CONSUMO DE COMBUSTIBLE, SEPARADO EN LISTA POR VELOCIDADES, TIPO “ts” Y TAMBIEN TENDENCIAS TIPO “ts”

**fuel\_cons\_speed\_ts : List of 7 (speeds)**

$ 5.14: Time-Series [1:300] from 1993 to 2018: 74419 72284 74083 82392 79016 ...

$ 5.66: Time-Series [1:300] from 1993 to 2018: 87682 84794 87011 95237 91745 ...

$ 6.17: Time-Series [1:300] from 1993 to 2018: 101287 98758 100594 107780 105096 ...

……….

**fuel\_cons\_speed\_trends : List of 7 (speeds)**

$ 5.14: Time-Series [1:300] from 1993 to 2018: 76822 76815 76809 76784 76760 ...

$ 5.66: Time-Series [1:300] from 1993 to 2018: 89414 89411 89407 89385 89363 ...

$ 6.17: Time-Series [1:300] from 1993 to 2018: 102389 102500 102610 102703 102795 ...

## “VECTOR” ESPACIAL (CLASE SpatialPoints) CON LOS 4 PUNTOS INTERMEDIOS DE LA RUTA:

mesoc\_points : Formal class 'SpatialPoints' [package "sp"]

## VALORES DE LAS VARIABLES MESOCEANICAS EN LOS PUNTOS (CLASE ts) RESULTADO DE LA EXTRACCION.

**bfi\_pts\_ts : List of 4 (points)**

$ 1: Time-Series [1:300] from 1993 to 2018: 0.115 0.1708 0.1583 0.1455 0.0529 ...

$ 2: Time-Series [1:300] from 1993 to 2018: 0.145 0.159 0.152 0.152 0.097 ...

$ 3: Time-Series [1:300] from 1993 to 2018: 0.1071 0.0773 0.1031 0.0659 0.0818 ...

$ 4: Time-Series [1:300] from 1993 to 2018: 0.1015 0.0683 0.0948 0.1049 0.0773 ...

**m.wave.dir\_pts\_ts : List of 4 (points)**

$ 1: Time-Series [1:300] from 1993 to 2018: 86.1 353.3 17.1 27.6 91 ...

$ 2: Time-Series [1:300] from 1993 to 2018: 296.6 274.5 255.5 10.2 36.1 ...

$ 3: Time-Series [1:300] from 1993 to 2018: 292 322 328 312 357 ...

$ 4: Time-Series [1:300] from 1993 to 2018: 279.4 5.02 302.83 304.78 329.06 ...

**m.wave.period\_pts\_ts : List of 4 (points)**

$ 1: Time-Series [1:300] from 1993 to 2018: 7.54 7.41 7.56 7.21 7.39 ...

$ 2: Time-Series [1:300] from 1993 to 2018: 8.39 8.2 8.18 7.96 7.9 ...

$ 3: Time-Series [1:300] from 1993 to 2018: 9.8 8.66 9.56 8.82 8.52 ...

$ 4: Time-Series [1:300] from 1993 to 2018: 10.61 9.07 10 8.94 7.93 ...

**max.indiv.wave.height\_pts\_ts : List of 4 (points)**

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**peak.wave.period\_pts\_ts : List of 4**

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**sig.wave.height\_pts\_ts : List of 4**

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**u10.wind\_pts\_ts : List of 4**

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**v10.wind\_pts\_ts : List of 4**

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**wave.spectr.kurt\_pts\_ts : List of 4**

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**wave.spectr.kurt\_pts\_trend :**