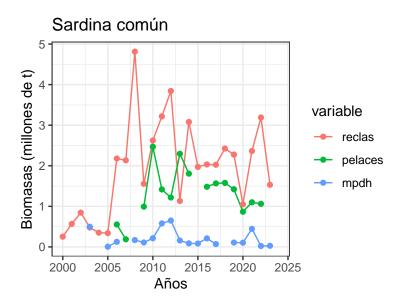
## Análisis preliminar

## Revisión de los datos

## Generar escenarios de sensibilidad

- m1: CV=100, dt fijo + q fijo
- m2: CV=100, d<br/>t variable + q fijo
- m3: CV=100, dt fijo + q variable
- m4: CV=100, dt variable + q fijo
- m1: CV=0.3, dt fijo + q fijo
- m2: CV=0.3, dt variable + q fijo
- m3: CV=0.3, dt fijo + q variable
- m4: CV=0.3, dt variable + q fijo
- m1: CV=0.5, dt fijo + q fijo
- m2: CV=0.5, dt variable + q fijo
- m3: CV=0.5, dt fijo + q variable
- m4: CV=0.5, dt variable + q fijo
- m1: CV=0.1, dt fijo + q fijo
- m2: CV=0.1, dt variable + q fijo
- m3: CV=0.1, dt fijo + q variable
- m4: CV=0.1, dt variable + q fijo

year	reclas	cv_R	pelaces	cv_P	mpdh	cv_M	desembarque	cv_D	NA
1991	0	0.3	0	0.3	0	0.3	494567	0.01	0.16
1992	0	0.3	0	0.3	0	0.3	514787	0.01	0.16
1993	0	0.3	0	0.3	0	0.3	250237	0.01	0.16
1994	0	0.3	0	0.3	0	0.3	358949	0.01	0.16
1995	0	0.3	0	0.3	0	0.3	120608	0.01	0.16
1996	0	0.3	0	0.3	0	0.3	361735	0.01	0.16
1997	0	0.3	0	0.3	0	0.3	552515	0.01	0.16
1998	0	0.3	0	0.3	0	0.3	73892	0.01	0.16
1999	0	0.3	0	0.3	0	0.3	212993	0.01	0.16
2000	252601	0.3	0	0.3	0	0.3	205616	0.01	0.16
2001	567819	0.3	0	0.3	0	0.3	52469	0.01	0.16
2002	844713	0.3	0	0.3	0	0.3	317467	0.01	0.16
2003	477998	0.3	0	0.3	498337	0.3	293654	0.01	0.13
2004	351125	0.3	0	0.3	0	0.3	387597	0.01	0.15
2005	339783	0.3	0	0.3	5186	0.3	252695	0.01	0.14
2006	2178397	0.3	552880	0.3	125008	0.3	516296	0.01	0.14
2007	2134043	0.3	188675	0.3	0	0.3	358380	0.01	0.16
2008	4813144	0.3	0	0.3	168611	0.3	742168	0.01	0.16
2009	1555625	0.3	991730	0.3	109162	0.3	942051	0.01	0.18
2010	2623565	0.3	2467720	0.3	213762	0.3	627588	0.01	0.18
2011	3216857	0.3	1416034	0.3	579715	0.3	828172	0.01	0.20
2012	3843000	0.3	1217169	0.3	649985	0.3	859565	0.01	0.23
2013	1133477	0.3	2296489	0.3	157893	0.3	418607	0.01	0.27
2014	3079434	0.3	1805815	0.3	87575	0.3	520667	0.01	0.24
2015	1972148	0.3	0	0.3	83554	0.3	417249	0.01	0.19
2016	2032684	0.3	1482799	0.3	210694	0.3	300574	0.01	0.24
2017	2025002	0.3	1565315	0.3	70296	0.3	415391	0.01	0.19
2018	2424330	0.3	1577507	0.3	0	0.3	372974	0.01	0.16
2019	2275425	0.3	1421176	0.3	107559	0.3	316634	0.01	0.19
2020	1050175	0.3	867257	0.3	103333	0.3	284311	0.01	0.14
2021	2363380	0.3	1100020	0.3	445601	0.3	391294	0.01	0.24
2022	3189821	0.3	1062045	0.3	22526	0.3	218835	0.01	0.27
2023	1530352	0.3	0	0.3	28222	0.3	356480	0.01	0.20



```
index
                       value std.dev
##
                name
## 1
        78 log_qrecl 0.46335 0.14688
                       value std.dev
##
     index
                name
## 1
        79 log_qpela 0.73692 0.25267
                       value std.dev
##
     index
               name
## 1
        80 log_qmph -0.93091 0.23671
## 2
        81 log_qmph -0.54569 0.26102
## 3
        82 log_qmph -2.06330 0.19755
```

Biomasas (millones de t)

0.5

0.0

2000

## 1.5 - variable - mph\_obs - mph\_pred

BD\_modelo

Sardina común

2010

Años

2005

2015

2020

