

test kable for ibmwig

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10/14/2020

Demo results

Here is a heatmap of all results so far, followed by a kable.

The metrics plotted are probabilities that SSB is greater than or equal to SSB_{msy}, F is less than or equal to F_{msy}, and the mean Catch/MSY. See figure @ref(fig:heatmap-all). I guess I need a newer version of Pandoc for the inline figure referencing to work.

Table 1: IBMWG kable, rows match the ordering from bottom of heatmap to the top. Label is a concatenation of IBMlabel, retro_type, catch.mult, Fhist, and n_selblocks. Only every other label is displayed on the heatmap. The name of ExpandSurvey_modified should be shortened to something like ExpSurv-I don't see anything named ExpandSurvey, so the 'modified' begs what the unmodified method is.

	SSB	Catch	F
CC-FSPR-CF2A	0.9344458	8177.35896	0.9725864
Itarg-CO2A	0.7335563	7415.07091	0.9743590
Itarg-CO2R	0.7797619	7011.89519	0.9702381
CC-FM-CO2A	0.8775268	6824.57247	0.9500595
CC-FM-CF2A	0.9630952	6859.17823	0.9928571
ES-FM-CF2R	0.3571429	5841.84972	0.5416667
Itarg-CF2R	0.6071429	6110.31835	0.9523810
ES-Frecent-CO2A	0.6020067	6008.77680	0.6321070
Itarg-CO1R	0.7559524	5958.42484	0.9940476
PlanB-CO2A	0.7260921	5982.07014	0.7603306
CC-FSPR-CO2A	0.7973934	6252.31789	0.9087678
CC-FM-CF1A	0.9193357	6345.01655	0.9727165
Itarg-CF2A	0.6069042	6588.30218	0.9599109
CC-FSPR-CO2R	0.9226190	6464.78969	0.9702381
Itarg-CO1A	0.7728285	6487.15003	0.9988864
CC-FSPR-MF1R	1.0000000	83.33542	1.0000000
CC-FM-MF2R	1.0000000	189.37169	1.0000000
CC-FM-MF1R	1.0000000	196.17512	1.0000000
Skate-CO1A	0.0033445	242.99906	0.0156076
ES-FM-CO1A	0.0033445	294.77127	0.0156076
CC-FSPR-MO1R	1.0000000	514.58733	1.0000000
ES-FM-CO1R	0.0059524	457.58373	0.0833333
Skate-CF1A	0.0111483	470.66801	0.0613155
Skate-CO1R	0.0059524	325.99224	0.0595238
CC-FSPR-MF1A	1.0000000	355.73564	1.0000000

	SSB	Catch	F
CC-FSPR-MF2R	1.0000000	404.88812	1.0000000
ES-FSPR-CO1A	0.0055741	429.83600	0.0345596
PlanB-MF1R	0.9940476	693.90650	1.0000000
ES-FSPR-CO1R	0.0178571	718.01026	0.1547619
PlanB-MF2R	1.0000000	722.81288	1.0000000
PlanB-MO1R	1.0000000	754.86536	1.0000000
CC-FM-MF2A	1.0000000	755.51159	1.0000000
PlanB-MO2R	1.0000000	774.03214	1.0000000
CC-FM-MF1A	0.9988081	786.49033	1.0000000
Skate-CF1R	0.0119048	858.67960	0.2023810
ES-Frecent-MF1R	0.9761905	905.23860	1.0000000
ES-Frecent-MF2R	1.0000000	944.29975	1.0000000
ES-Frecent-MO2R	1.0000000	1023.61727	1.0000000
ES-Frecent-MO1R	0.9940476	989.65696	1.0000000
CC-FM-MO2R	1.0000000	992.39303	1.0000000
CC-FM-MO1R	1.0000000	1097.66358	1.0000000
Islope-MF1R	0.9345238	1155.82063	0.9761905
CC-FSPR-CF1R	0.9940476	1240.09482	1.0000000
PlanB-CF1R	0.9285714	1242.84618	0.9642857
Islope-MF2R	0.9880952	1326.82581	1.0000000
CC-FSPR-MF2A	0.9988138	1393.10995	1.0000000
ES-Frecent-CF1R	0.8750000	1502.30611	0.9107143
Islope-MO1R	0.9166667	1453.74631	0.9702381
PlanB-CF2R	0.9761905	1477.15342	1.0000000
Islope-MO2R	0.9821429	1555.62968	0.9940476
DLM-MF1A	0.9268293	1568.95520	1.0000000
Islope-CF1R	0.7261905	1594.63496	0.7678571
PlanB-CO1R	1.0000000	1619.33991	1.0000000
AIM-CO2A	0.1808159	4952.18086	0.4597574
CC-FSPR-CF2R	0.9761905	5013.59085	0.9940476
ES-Fstable-CO2A	0.1964706	5019.12050	0.4682353
ES-FSPR-CF2R	0.2738095	5045.34786	0.3988095
PlanB-CO1A	0.6540732	5072.44689	0.6469894
CC-FM-CO1R	0.8452381	5283.22277	0.9821429
Islope-CO2A	0.5050056	5603.99718	0.5183537
CC-FM-CO2R	0.9702381	5612.46675	1.0000000
CC-FSPR-CO1A	0.7707838	5433.19349	0.9180523
AIM-CF2R	0.3571429	5472.12372	0.5952381
AIM-CO2R	0.3452381	5491.82497	0.6845238
ES-Fstable-CF2R	0.3690476	5516.53153	0.6369048
ES-Fstable-CO2R	0.3690476	5518.36461	0.7202381
ES-Frecent-CO1A	0.5117057	4688.73646	0.4972129
ES-FM-CF2A	0.1839465	4728.74939	0.2118172
ES-Frecent-CF2A	0.5841695	4616.48226	0.6867336
AIM-CO1R	0.3511905	4561.38446	0.8750000
ES-Fstable-CO1R	0.3571429	4583.85395	0.8988095
CC-FM-CO1A	0.6334520	4482.75673	0.8220641
PlanB-CF2A	0.6930342	4488.44181	0.8051948
ES-FM-MO2A	0.9698997	4400.71068	1.0000000
ES-Fstable-CF2A	0.1568396	4413.71801	0.2358491
ES-FSPR-MO2A	0.9453735	4426.52349	1.0000000
Itarg-CF1A	0.5445434	4438.53283	0.9977728

	SSB	Catch	F
AIM-CF2A	0.1433297	4327.55828	0.2282249
ES-Fstable-MO2A	0.9576471	4373.86293	1.0000000
AIM-MO2A	0.9636163	4387.51243	1.0000000
Skate-MO2A	0.8595318	4228.21227	0.9654404
Islope-CF2A	0.5283648	4242.06577	0.6206897
ES-FSPR-CF1R	0.2976190	4293.82732	0.7380952
CC-FSPR-CF1A	0.9666667	4266.99907	0.9940476
CC-FSPR-CO1R	0.9345238	4269.14611	0.9940476
ES-Frecent-CO2R	0.9821429	2221.52156	1.0000000
Islope-CF2R	0.8869048	2239.79151	0.9761905
PlanB-MF1A	0.8004723	2037.46701	0.8807556
ES-Frecent-CO1R	0.9880952	2082.98204	0.9880952
DLM-MO1A	0.9761905	2128.92618	1.0000000
ES-Frecent-MF1A	0.7313266	2146.13281	0.7959866
CC-FSPR-MO1A	0.9892985	1699.22172	1.0000000
PlanB-CO2R	1.0000000	1730.43387	1.0000000
CC-FSPR-MO2R	1.0000000	1753.95301	1.0000000
ES-Fstable-CF1A	0.0636792	1914.92294	0.4386792
ES-FM-CF1A	0.0680045	1933.92535	0.3901895
AIM-CF1A	0.0573951	1850.96799	0.4238411
ES-Frecent-CF2R	0.9523810	1870.66921	1.0000000
Islope-MF1A	0.6622222	1878.55859	0.7222222
ES-FSPR-CO2R	0.0000000	2435.83297	0.0000000
DLM-MF2A	1.0000000	2320.59942	1.0000000
Islope-CF1A	0.3032330	2343.86853	0.3199554
ES-FM-CO2A	0.0167224	2596.07573	0.0011148
ES-FM-CO2R	0.0297619	2600.89264	0.0119048
ES-FSPR-CO2A	0.0133779	2537.96185	0.0000000
DLM-MO2A	1.0000000	2529.05481	1.0000000
CC-FM-MO2A	0.9892985	2532.85880	1.0000000
PlanB-MF2A	0.9245283	2574.71219	0.9599057
Itarg-MF1R	0.9940476	2552.50673	1.0000000
Islope-MO1A	0.5674470	2562.82400	0.5975474
CC-FM-MO1A	0.9750297	2563.21531	0.9964328
ES-Frecent-CF1A	0.3868450	2749.78684	0.4247492
CC-FM-CF1R	0.9821429	2769.40390	1.0000000
ES-FSPR-CF1A	0.1248606	2793.83948	0.5629877
Islope-CO1R	0.8928571	2801.54643	0.9166667
PlanB-MO1A	0.8051948	2806.61363	0.8441558
Itarg-MF1A	0.9933185	2910.41408	0.9988864
PlanB-CF1A	0.4923259	2914.92445	0.5360094
Skate-MF1R	0.8988095	2922.58211	0.9940476
ES-Frecent-MO1A	0.7157191	2928.87651	0.7614270
Islope-MF2A	0.8520578	2848.19758	0.8609566
ES-FSPR-MF1R	1.0000000	2849.77981	1.0000000
CC-FM-CF2R	0.9940476	2889.17500	1.0000000
Skate-CO2A	0.0602007	2882.95823	0.0256410
ES-Frecent-MF2A	0.8818283	2885.10902	0.8952062
Itarg-MF2R	1.0000000	2969.65987	1.0000000
ES-FM-MF1R	1.0000000	3009.58572	1.0000000
Skate-CO2R	0.1011905	3087.08278	0.1428571
Islope-CO2R	0.9285714	3089.22226	0.9702381

	SSB	Catch	F
ES-Fstable-MF1R	0.9702381	3035.26103	1.0000000
Itarg-MO1R	1.0000000	3037.09749	1.0000000
Skate-CF2A	0.0702341	3058.03049	0.0423634
Skate-MF1A	0.8550725	3056.37673	0.9832776
AIM-MF1R	0.9761905	3056.50000	1.0000000
PlanB-MO2A	0.9020071	3170.67140	0.9350649
DLM-CF1A	0.7560976	3158.59597	0.8536585
ES-FM-MF2R	1.0000000	3159.44932	1.0000000
AIM-MF1A	0.9007718	3256.01436	1.0000000
CC-FSPR-MO2A	0.9869203	3240.07888	1.0000000
ES-Fstable-MF1A	0.9022379	3244.37975	1.0000000
ES-FSPR-MF1A	0.9921962	3292.21054	1.0000000
Skate-MF2R	0.9285714	3303.92518	1.0000000
ES-FM-CF1R	0.1964286	3264.17003	0.6190476
ES-Fstable-MF2R	0.9761905	3272.28594	1.0000000
AIM-MF2R	0.9821429	3280.42104	1.0000000
ES-FSPR-MF2R	0.9940476	3281.94407	1.0000000
ES-FM-MO1R	0.9940476	3733.80803	1.0000000
Itarg-CF1R	0.5654762	3747.22272	1.0000000
Skate-MO1A	0.8818283	3759.44288	0.9910814
Skate-MO2R	0.9761905	3838.33543	1.0000000
ES-Fstable-MO2R	0.9940476	3833.62564	1.0000000
AIM-MO2R	0.9940476	3833.77631	1.0000000
Itarg-MO2A	0.9977703	3946.80188	1.0000000
Islope-CO1A	0.3741648	3959.89771	0.3162584
ES-FM-MO2R	0.9940476	3960.13963	1.0000000
ES-Fstable-MO1A	0.9600000	4008.99064	1.0000000
ES-FSPR-MO1A	0.9855072	4041.95373	1.0000000
AIM-MO1A	0.9603087	4024.64096	1.0000000
DLM-CO2A	0.9761905	4033.02315	1.0000000
DLM-CF2A	0.8809524	4055.36160	1.0000000
ES-FSPR-CF2A	0.1204013	4065.35595	0.1192865
ES-FM-MO1A	0.9643255	4073.17767	1.0000000
ES-FSPR-MO2R	0.9761905	4080.31499	1.0000000
Itarg-MF2A	0.9988864	3387.04773	0.9977728
AIM-CF1R	0.2202381	3356.67402	0.7738095
ES-FM-MF1A	0.9855072	3366.17566	1.0000000
Itarg-MO2R	1.0000000	3454.27298	1.0000000
Itarg-MO1A	0.9955457	3427.61281	1.0000000
ES-Fstable-CF1R	0.2261905	3440.07456	0.7678571
AIM-CO1A	0.1611479	3441.26208	0.7384106
ES-Fstable-MF2A	0.9329412	3629.42747	0.9988235
AIM-MF2A	0.9327453	3642.74299	0.9977949
ES-FSPR-MF2A	0.9721293	3648.72206	1.0000000
AIM-MO1R	0.9940476	3528.57405	1.0000000
ES-Fstable-MO1R	1.0000000	3533.87443	1.0000000
Skate-MO1R	0.9880952	3539.17168	1.0000000
ES-FM-MF2A	0.9877369	3587.62534	1.0000000
Skate-MF2A	0.8628763	3590.10313	0.9509476
ES-Frecent-MO2A	0.8327759	3548.14004	0.8517280
ES-Fstable-CO1A	0.1600000	3554.87937	0.7564706
Islope-MO2A	0.7722222	3565.40571	0.7555556

	SSB	Catch	F
DLM-CO1A	0.8571429	3566.01518	1.0000000
Skate-CF2R	0.1309524	3569.82296	0.2142857
ES-FSPR-MO1R	1.0000000	3571.50794	1.0000000

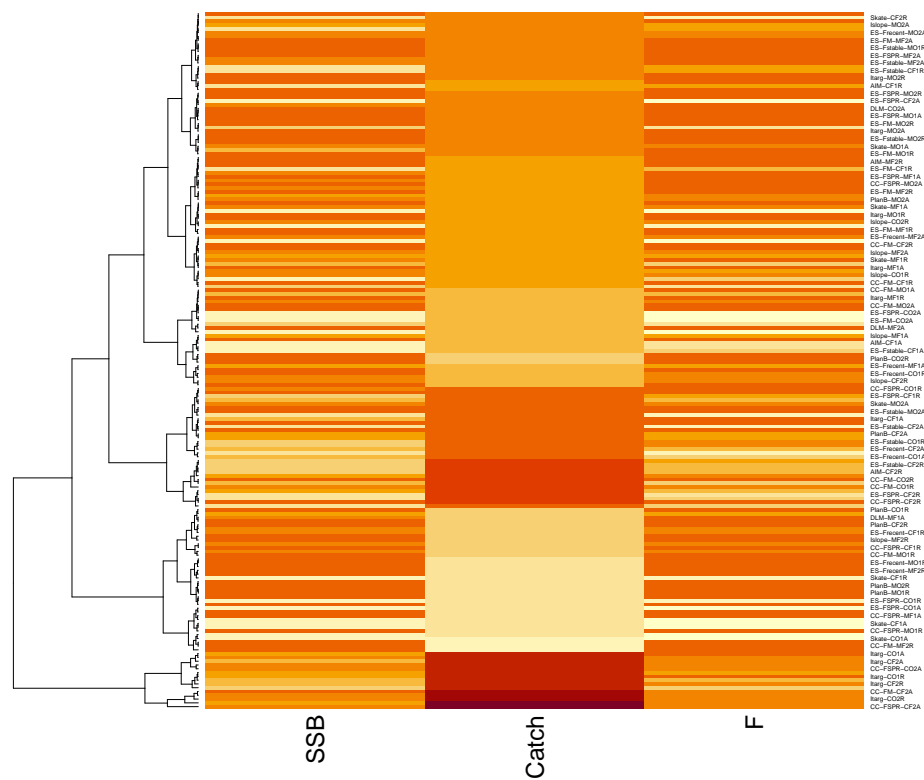


Figure 1: Heatmap of all methods and scenarios. Clearly, it is challenging to scale this to be readable.