Model Parameters

This is the example vignette for function: **snw_mp_param** from the **PrjOptiSNW Package.** This function sets and gets different parameters

Documentation Run Parameters Docdense

Parameters used for documentation vig.

```
mp_params = snw_mp_param('default_docdense', true, 100, 6);
```

```
----------------------------------------
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_preftechpricegov Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                            i     idx     value
                            __    ___    _______

    Bequests                 1     1           0
    a2                       2     2      1.5286
    bequests_option          3     3           1
    beta                     4     4     0.97116
    cons_allocation_rule     5     5           2
    g_cons                   6     6     0.17576
    g_n                      7     7        0.01
    gamma                    8     8           2
    jret                     9     9          48
    r                       10    10        0.04
    theta                   11    11     0.56523
    throw_in_ocean          12    12           1

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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_intlen Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                      i    idx    value
                      _    ___    _____

    n_agrid           1     1       65
    n_educgrid        2     2        2
    n_eta_H_grid      3     3       61
    n_eta_S_grid      4     4        5
    n_etagrid         5     5      305
    n_jgrid           6     6       83
    n_kidsgrid        7     7        5
    n_marriedgrid     8     8        2

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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_covid_unemploy ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                 i    idx    ndim    numel    rowN    colN     sum        mean        std        coefvari    min    
                 _    ___    ____    _____    ____    ____    ______    ________    ________    ________    ___    

    inc_grid     1     3      2       201      201      1       578.5      2.8781      1.8836     0.65444     0     
    pi_unemp     2     6      2       415       83      5      9.5319    0.022968    0.024679     1.0745     0      0.

xxx TABLE:inc_grid xxxxxxxxxxxxxxxxx
               c1
            ________

    r1             0
```

r2	0.026667
r3	0.053333
r4	0.08
r5	0.10667
r6	0.13333
r7	0.16
r8	0.18667
r9	0.21333
r10	0.24
r11	0.26667
r12	0.29333
r13	0.32
r14	0.34667
r15	0.37333
r16	0.4
r17	0.42667
r18	0.45333
r19	0.48
r20	0.50667
r21	0.53333
r22	0.56
r23	0.58667
r24	0.61333
r25	0.64
r26	0.66667
r27	0.69333
r28	0.72
r29	0.74667
r30	0.77333
r31	0.8
r32	0.82667
r33	0.85333
r34	0.88
r35	0.90667
r36	0.93333
r37	0.96
r38	0.98667
r39	1.0133
r40	1.04
r41	1.0667
r42	1.0933
r43	1.12
r44	1.1467
r45	1.1733
r46	1.2
r47	1.2267
r48	1.2533
r49	1.28
r50	1.3067
r152	4.06
r153	4.12
r154	4.18
r155	4.24
r156	4.3
r157	4.36
r158	4.42
r159	4.48
r160	4.54
r161	4.6
r162	4.66
r163	4.72
r164	4.78
r165	4.84
r166	4.9
r167	4.96

r168	5.02
r169	5.08
r170	5.14
r171	5.2
r172	5.26
r173	5.32
r174	5.38
r175	5.44
r176	5.5
r177	5.56
r178	5.62
r179	5.68
r180	5.74
r181	5.8
r182	5.86
r183	5.92
r184	5.98
r185	6.04
r186	6.1
r187	6.16
r188	6.22
r189	6.28
r190	6.34
r191	6.4
r192	6.46
r193	6.52
r194	6.58
r195	6.64
r196	6.7
r197	6.76
r198	6.82
r199	6.88
r200	6.94
r201	7

xxx TABLE:pi_unemp xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.080278	0.051706	0.041502	0.03538	0.025176
r2	0.080278	0.051706	0.041502	0.03538	0.025176
r3	0.080278	0.051706	0.041502	0.03538	0.025176
r4	0.080278	0.051706	0.041502	0.03538	0.025176
r5	0.080278	0.051706	0.041502	0.03538	0.025176
r6	0.080278	0.051706	0.041502	0.03538	0.025176
r7	0.080278	0.051706	0.041502	0.03538	0.025176
r8	0.080278	0.051706	0.041502	0.03538	0.025176
r9	0.080278	0.051706	0.041502	0.03538	0.025176
r10	0.080278	0.051706	0.041502	0.03538	0.025176
r11	0.080278	0.051706	0.041502	0.03538	0.025176
r12	0.080278	0.051706	0.041502	0.03538	0.025176
r13	0.080278	0.051706	0.041502	0.03538	0.025176
r14	0.070703	0.042132	0.031928	0.025805	0.015601
r15	0.070703	0.042132	0.031928	0.025805	0.015601
r16	0.070703	0.042132	0.031928	0.025805	0.015601
r17	0.070703	0.042132	0.031928	0.025805	0.015601
r18	0.070703	0.042132	0.031928	0.025805	0.015601
r19	0.070703	0.042132	0.031928	0.025805	0.015601
r20	0.070703	0.042132	0.031928	0.025805	0.015601
r21	0.070703	0.042132	0.031928	0.025805	0.015601
r22	0.070703	0.042132	0.031928	0.025805	0.015601
r23	0.070703	0.042132	0.031928	0.025805	0.015601
r24	0.067512	0.038941	0.028736	0.022614	0.01241
r25	0.067512	0.038941	0.028736	0.022614	0.01241
r26	0.067512	0.038941	0.028736	0.022614	0.01241

r27	0.067512	0.038941	0.028736	0.022614	0.01241
r28	0.067512	0.038941	0.028736	0.022614	0.01241
r29	0.067512	0.038941	0.028736	0.022614	0.01241
r30	0.067512	0.038941	0.028736	0.022614	0.01241
r31	0.067512	0.038941	0.028736	0.022614	0.01241
r32	0.067512	0.038941	0.028736	0.022614	0.01241
r33	0.067512	0.038941	0.028736	0.022614	0.01241
r34	0.068576	0.040004	0.0298	0.023678	0.013474
r35	0.068576	0.040004	0.0298	0.023678	0.013474
r36	0.068576	0.040004	0.0298	0.023678	0.013474
r37	0.068576	0.040004	0.0298	0.023678	0.013474
r38	0.068576	0.040004	0.0298	0.023678	0.013474
r39	0.068576	0.040004	0.0298	0.023678	0.013474
r40	0.068576	0.040004	0.0298	0.023678	0.013474
r41	0.068576	0.040004	0.0298	0.023678	0.013474
r42	0.068576	0.040004	0.0298	0.023678	0.013474
r43	0.068576	0.040004	0.0298	0.023678	0.013474
r44	0.080278	0.051706	0.041502	0.03538	0.025176
r45	0.080278	0.051706	0.041502	0.03538	0.025176
r46	0.080278	0.051706	0.041502	0.03538	0.025176
r47	0.080278	0.051706	0.041502	0.03538	0.025176
r48	0.080278	0.051706	0.041502	0.03538	0.025176
r49	0	0	0	0	0
r50	0	0	0	0	0
r51	0	0	0	0	0
r52	0	0	0	0	0
r53	0	0	0	0	0
r54	0	0	0	0	0
r55	0	0	0	0	0
r56	0	0	0	0	0
r57	0	0	0	0	0
r58	0	0	0	0	0
r59	0	0	0	0	0
r60	0	0	0	0	0
r61	0	0	0	0	0
r62	0	0	0	0	0
r63	0	0	0	0	0
r64	0	0	0	0	0
r65	0	0	0	0	0
r66	0	0	0	0	0
r67	0	0	0	0	0
r68	0	0	0	0	0
r69	0	0	0	0	0
r70	0	0	0	0	0
r71	0	0	0	0	0
r72	0	0	0	0	0
r73	0	0	0	0	0
r74	0	0	0	0	0
r75	0	0	0	0	0
r76	0	0	0	0	0
r77	0	0	0	0	0
r78	0	0	0	0	0
r79	0	0	0	0	0
r80	0	0	0	0	0
r81	0	0	0	0	0
r82	0	0	0	0	0
r83	0	0	0	0	0

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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_covid_unemploy Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

i	**idx**	**value**
_	___	_____

TR	1	1	0.0017225
b	2	2	1
n_incgrid	3	4	201
n_welfchecksgrid	4	5	45
scaleconvertor	5	7	58056
xi	6	8	0.75

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CONTAINER NAME: mp_params_statesgrid ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	idx	ndim	numel	rowN	colN	sum	mean	std	coefvari
agrid	1	1	2	65	65	1	2228	34.277	39.432	1.1504
eta_H_grid	2	2	2	305	305	1	2.0872e-13	6.8433e-16	1.5853	2.3166e+15
eta_S_grid	3	3	2	305	305	1	-1.7764e-14	-5.8241e-17	2.2112	-3.7966e+16

xxx TABLE:agrid xxxxxxxxxxxxxxxxx

	c1
r1	0
r2	0.00051498
r3	0.0041199
r4	0.013905
r5	0.032959
r6	0.064373
r7	0.11124
r8	0.17664
r9	0.26367
r10	0.37542
r11	0.51498
r12	0.68544
r13	0.88989
r14	1.1314
r15	1.4131
r16	1.7381
r17	2.1094
r18	2.5301
r19	3.0034
r20	3.5323
r21	4.1199
r22	4.7693
r23	5.4836
r24	6.2658
r25	7.1191
r26	8.0466
r27	9.0514
r28	10.136
r29	11.305
r30	12.56
r31	13.905
r32	15.342
r33	16.875
r34	18.507
r35	20.241
r36	22.08
r37	24.027
r38	26.085
r39	28.258
r40	30.548
r41	32.959
r42	35.493
r43	38.154

r44	40.945
r45	43.868
r46	46.928
r47	50.126
r48	53.467
r49	56.953
r50	60.587
r51	64.373
r52	68.313
r53	72.411
r54	76.669
r55	81.091
r56	85.68
r57	90.439
r58	95.371
r59	100.48
r60	105.77
r61	111.24
r62	116.89
r63	122.74
r64	128.77
r65	135

xxx TABLE:eta_H_grid xxxxxxxxxxxxxxxxx

	c1
r1	-2.6968
r2	-2.6069
r3	-2.517
r4	-2.4271
r5	-2.3372
r6	-2.2473
r7	-2.1574
r8	-2.0675
r9	-1.9777
r10	-1.8878
r11	-1.7979
r12	-1.708
r13	-1.6181
r14	-1.5282
r15	-1.4383
r16	-1.3484
r17	-1.2585
r18	-1.1686
r19	-1.0787
r20	-0.98883
r21	-0.89893
r22	-0.80904
r23	-0.71915
r24	-0.62925
r25	-0.53936
r26	-0.44947
r27	-0.35957
r28	-0.26968
r29	-0.17979
r30	-0.089893
r31	8.0491e-16
r32	0.089893
r33	0.17979
r34	0.26968
r35	0.35957
r36	0.44947
r37	0.53936
r38	0.62925

r39	0.71915
r40	0.80904
r41	0.89893
r42	0.98883
r43	1.0787
r44	1.1686
r45	1.2585
r46	1.3484
r47	1.4383
r48	1.5282
r49	1.6181
r50	1.708
r256	-1.708
r257	-1.6181
r258	-1.5282
r259	-1.4383
r260	-1.3484
r261	-1.2585
r262	-1.1686
r263	-1.0787
r264	-0.98883
r265	-0.89893
r266	-0.80904
r267	-0.71915
r268	-0.62925
r269	-0.53936
r270	-0.44947
r271	-0.35957
r272	-0.26968
r273	-0.17979
r274	-0.089893
r275	8.0491e-16
r276	0.089893
r277	0.17979
r278	0.26968
r279	0.35957
r280	0.44947
r281	0.53936
r282	0.62925
r283	0.71915
r284	0.80904
r285	0.89893
r286	0.98883
r287	1.0787
r288	1.1686
r289	1.2585
r290	1.3484
r291	1.4383
r292	1.5282
r293	1.6181
r294	1.708
r295	1.7979
r296	1.8878
r297	1.9777
r298	2.0675
r299	2.1574
r300	2.2473
r301	2.3372
r302	2.4271
r303	2.517
r304	2.6069
r305	2.6968

xxx TABLE:eta_S_grid xxxxxxxxxxxxxxxxxx

	c1

r1	-3.122
r2	-3.122
r3	-3.122
r4	-3.122
r5	-3.122
r6	-3.122
r7	-3.122
r8	-3.122
r9	-3.122
r10	-3.122
r11	-3.122
r12	-3.122
r13	-3.122
r14	-3.122
r15	-3.122
r16	-3.122
r17	-3.122
r18	-3.122
r19	-3.122
r20	-3.122
r21	-3.122
r22	-3.122
r23	-3.122
r24	-3.122
r25	-3.122
r26	-3.122
r27	-3.122
r28	-3.122
r29	-3.122
r30	-3.122
r31	-3.122
r32	-3.122
r33	-3.122
r34	-3.122
r35	-3.122
r36	-3.122
r37	-3.122
r38	-3.122
r39	-3.122
r40	-3.122
r41	-3.122
r42	-3.122
r43	-3.122
r44	-3.122
r45	-3.122
r46	-3.122
r47	-3.122
r48	-3.122
r49	-3.122
r50	-3.122
r256	3.122
r257	3.122
r258	3.122
r259	3.122
r260	3.122
r261	3.122
r262	3.122
r263	3.122
r264	3.122
r265	3.122
r266	3.122
r267	3.122
r268	3.122

r269	3.122
r270	3.122
r271	3.122
r272	3.122
r273	3.122
r274	3.122
r275	3.122
r276	3.122
r277	3.122
r278	3.122
r279	3.122
r280	3.122
r281	3.122
r282	3.122
r283	3.122
r284	3.122
r285	3.122
r286	3.122
r287	3.122
r288	3.122
r289	3.122
r290	3.122
r291	3.122
r292	3.122
r293	3.122
r294	3.122
r295	3.122
r296	3.122
r297	3.122
r298	3.122
r299	3.122
r300	3.122
r301	3.122
r302	3.122
r303	3.122
r304	3.122
r305	3.122

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CONTAINER NAME: mp_params_exotrans ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	idx	ndim	numel	rowN	colN	sum	mean	std	co
cl_mt_pi_jem_kidseta	1	1	2	2.3256e+06	1525	1525	1525	0.00065574	0.0058194	8
pi_H_eta	2	2	2	3721	61	61	61	0.016393	0.053521	3
pi_S_eta	3	3	2	25	5	5	5	0.2	0.19957	0.
pi_eta	4	4	2	93025	305	305	305	0.0032787	0.015308	4
pi_kids	5	5	5	8300	5	1660	1660	0.2	0.2988	
psi	6	6	2	83	83	1	78.16	0.94169	0.1312	0.

xxx TABLE:cl_mt_pi_jem_kidseta xxxxxxxxxxxxxxxxxx

	c1	c2	c3	c1523	c1524	c1525
r1	0.005125	0.0027446	0.0018598	0	0	0
r2	0.0025409	0.0026419	0.0027349	0	0	0
r3	0.00090694	0.0016787	0.002655	0	0	0
r4	0.00022557	0.00070391	0.0017014	0	0	0
r5	3.8282e-05	0.00019466	0.00071949	0	0	0
r6	4.3734e-06	3.5476e-05	0.00020067	0	0	0
r7	3.333e-07	4.2565e-06	3.6884e-05	0	0	0
r8	1.6842e-08	3.3588e-07	4.4633e-06	0	0	0
r9	5.6182e-10	1.7412e-08	3.5523e-07	0	0	0

r10	1.2334e-11	5.9238e-10	1.8574e-08	0	0	0
r11	1.7779e-13	1.3212e-11	6.3738e-10	0	0	0
r12	1.6798e-15	1.93e-13	1.4339e-11	0	0	0
r13	1.0388e-17	1.8449e-15	2.1128e-13	0	0	0
r14	4.2001e-20	1.1531e-17	2.0372e-15	0	0	0
r15	1.1095e-22	4.709e-20	1.2844e-17	0	0	0
r16	1.9132e-25	1.2558e-22	5.291e-20	0	0	0
r17	2.1526e-28	2.1857e-25	1.4233e-22	0	0	0
r18	1.5795e-31	2.4815e-28	2.4989e-25	0	0	0
r19	7.5549e-35	1.8372e-31	2.862e-28	0	0	0
r20	2.3549e-38	8.8661e-35	2.1375e-31	0	0	0
r21	4.7821e-42	2.7881e-38	1.0406e-34	0	0	0
r22	6.3249e-46	5.7119e-42	3.301e-38	0	0	0
r23	5.4473e-50	7.6214e-46	6.8221e-42	0	0	0
r24	3.0545e-54	6.6219e-50	9.1828e-46	0	0	0
r25	1.1149e-58	3.7458e-54	8.0487e-50	0	0	0
r26	2.6486e-63	1.3793e-58	4.593e-54	0	0	0
r27	4.0946e-68	3.3055e-63	1.7061e-58	0	0	0
r28	4.119e-73	5.1553e-68	4.1248e-63	0	0	0
r29	2.6959e-78	5.2318e-73	6.4897e-68	0	0	0
r30	1.1479e-83	3.4544e-78	6.6439e-73	0	0	0
r31	3.1796e-89	1.4838e-83	4.4254e-78	0	0	0
r32	5.7288e-95	4.1463e-89	1.9177e-83	0	0	0
r33	6.7133e-101	7.5363e-95	5.4059e-89	0	0	0
r34	5.1166e-107	8.9094e-101	9.9124e-95	0	0	0
r35	2.5362e-113	6.8503e-107	1.1822e-100	0	0	0
r36	8.1749e-120	3.4254e-113	9.1697e-107	0	0	0
r37	1.7135e-126	1.1139e-119	4.6256e-113	0	0	0
r38	2.3355e-133	2.3554e-126	1.5174e-119	0	0	0
r39	2.0699e-140	3.2387e-133	3.237e-126	0	0	0
r40	1.1927e-147	2.8956e-140	4.4902e-133	0	0	0
r41	4.4687e-155	1.6833e-147	4.05e-140	0	0	0
r42	1.0885e-162	6.3622e-155	2.3751e-147	0	0	0
r43	1.7238e-170	1.5634e-162	9.0564e-155	0	0	0
r44	1.7748e-178	2.4978e-170	2.2451e-162	0	0	0
r45	1.1879e-186	2.5943e-178	3.6186e-170	0	0	0
r46	5.1689e-195	1.7518e-186	3.7916e-178	0	0	0
r47	1.4621e-203	7.6897e-195	2.5828e-186	5.8763e-24	0	0
r48	2.6885e-212	2.1943e-203	1.1438e-194	9.0496e-22	5.3421e-24	0
r49	3.2135e-221	4.0705e-212	3.2927e-203	9.3883e-20	8.1948e-22	4.8079e-24
r50	2.4969e-230	4.9085e-221	6.162e-212	6.3716e-18	8.5761e-20	7.4629e-22
r1476	3.4485e-22	3.9622e-20	2.9437e-18	0	0	0
r1477	2.1325e-24	3.7874e-22	4.3374e-20	0	0	0
r1478	8.6227e-27	2.3672e-24	4.1822e-22	0	0	0
r1479	2.2777e-29	9.6675e-27	2.6367e-24	0	0	0
r1480	3.9278e-32	2.5781e-29	1.0862e-26	0	0	0
r1481	4.4192e-35	4.4871e-32	2.922e-29	0	0	0
r1482	3.2426e-38	5.0945e-35	5.1302e-32	0	0	0
r1483	1.551e-41	3.7717e-38	5.8757e-35	0	0	0
r1484	4.8345e-45	1.8202e-41	4.3882e-38	0	0	0
r1485	9.8174e-49	5.7239e-45	2.1363e-41	0	0	0
r1486	1.2985e-52	1.1726e-48	6.7769e-45	0	0	0
r1487	1.1183e-56	1.5647e-52	1.4006e-48	0	0	0
r1488	6.2707e-61	1.3595e-56	1.8852e-52	0	0	0
r1489	2.2888e-65	7.69e-61	1.6524e-56	0	0	0
r1490	5.4374e-70	2.8316e-65	9.4292e-61	0	0	0
r1491	8.4061e-75	6.7861e-70	3.5026e-65	0	0	0
r1492	8.4562e-80	1.0584e-74	8.468e-70	0	0	0
r1493	5.5346e-85	1.0741e-79	1.3323e-74	0	0	0
r1494	2.3566e-90	7.0917e-85	1.364e-79	0	0	0
r1495	6.5276e-96	3.0463e-90	9.0853e-85	0	0	0
r1496	1.1761e-101	8.5122e-96	3.937e-90	0	0	0
r1497	1.3782e-107	1.5472e-101	1.1098e-95	0	0	0
r1498	1.0504e-113	1.8291e-107	2.035e-101	0	0	0
r1499	5.2066e-120	1.4063e-113	2.427e-107	0	0	0

r1500	1.6783e-126	7.0322e-120	1.8825e-113	0	0	0
r1501	3.5178e-133	2.2867e-126	9.4963e-120	0	0	0
r1502	4.7948e-140	4.8355e-133	3.1152e-126	0	0	0
r1503	4.2493e-147	6.6489e-140	6.6455e-133	0	0	0
r1504	2.4486e-154	5.9445e-147	9.2183e-140	0	0	0
r1505	9.174e-162	3.4557e-154	8.3145e-147	0	0	0
r1506	2.2347e-169	1.3061e-161	4.8761e-154	0	0	0
r1507	3.539e-177	3.2097e-169	1.8592e-161	0	0	0
r1508	3.6436e-185	5.1279e-177	4.6092e-169	0	0	0
r1509	2.4388e-193	5.3261e-185	7.4288e-177	0	0	0
r1510	1.0612e-201	3.5964e-193	7.7841e-185	0	0	0
r1511	3.0016e-210	1.5787e-201	5.3025e-193	1.409e-17	0	0
r1512	5.5194e-219	4.5049e-210	2.3481e-201	2.1698e-15	1.2809e-17	0
r1513	6.5973e-228	8.3567e-219	6.7598e-210	2.2511e-13	1.9649e-15	1.1528e-17
r1514	5.126e-237	1.0077e-227	1.265e-218	1.5277e-11	2.0563e-13	1.7894e-15
r1515	2.5889e-246	7.8987e-237	1.5389e-227	6.791e-10	1.4077e-11	1.8943e-13
r1516	8.4994e-256	4.0246e-246	1.2169e-236	1.979e-08	6.3116e-10	1.3141e-11
r1517	1.8137e-265	1.3329e-255	6.2552e-246	3.7848e-07	1.8552e-08	5.986e-10
r1518	2.5158e-275	2.8695e-265	2.09e-255	4.7555e-06	3.5786e-07	1.7944e-08
r1519	2.2681e-285	4.0153e-275	4.539e-265	3.9298e-05	4.5351e-06	3.5512e-07
r1520	1.3291e-295	3.6521e-285	6.4076e-275	0.00021381	3.7798e-05	4.6596e-06
r1521	5.0624e-306	2.159e-295	5.8794e-285	0.00076658	0.0002074	4.0788e-05
r1522	1.2533e-316	8.296e-306	3.5064e-295	0.0018127	0.00074998	0.00024034
r1523	0	2.0719e-316	1.3592e-305	0.0028288	0.0017886	0.0009663
r1524	0	0	3.4246e-316	0.0029139	0.0028149	0.0027072
r1525	0	0	0	0.0019815	0.0029243	0.0054605

xxx TABLE:pi_H_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c59**	**c60**	**c61**
r1	0.47329	0.25346	0.17175	0	0	0
r2	0.23465	0.24398	0.25257	0	0	0
r3	0.083755	0.15503	0.24518	0	0	0
r4	0.020831	0.065005	0.15712	0	0	0
r5	0.0035353	0.017977	0.066444	0	0	0
r6	0.00040387	0.0032761	0.018532	0	0	0
r7	3.078e-05	0.00039308	0.0034061	0	0	0
r8	1.5553e-06	3.1018e-05	0.00041218	0	0	0
r9	5.1884e-08	1.608e-06	3.2805e-05	0	0	0
r10	1.139e-09	5.4706e-08	1.7153e-06	0	0	0
r11	1.6419e-11	1.2201e-09	5.8861e-08	0	0	0
r12	1.5512e-13	1.7823e-11	1.3242e-09	0	0	0
r13	9.5928e-16	1.7037e-13	1.9511e-11	0	0	0
r14	3.8788e-18	1.0648e-15	1.8813e-13	0	0	0
r15	1.0246e-20	4.3487e-18	1.1861e-15	0	0	0
r16	1.7668e-23	1.1597e-20	4.8861e-18	0	0	0
r17	1.9879e-26	2.0184e-23	1.3144e-20	0	0	0
r18	1.4586e-29	2.2917e-26	2.3077e-23	0	0	0
r19	6.9768e-33	1.6966e-29	2.6431e-26	0	0	0
r20	2.1747e-36	8.1877e-33	1.9739e-29	0	0	0
r21	4.4162e-40	2.5748e-36	9.6095e-33	0	0	0
r22	5.8409e-44	5.2749e-40	3.0485e-36	0	0	0
r23	5.0305e-48	7.0383e-44	6.3001e-40	0	0	0
r24	2.8208e-52	6.1152e-48	8.4802e-44	0	0	0
r25	1.0296e-56	3.4592e-52	7.4328e-48	0	0	0
r26	2.4459e-61	1.2737e-56	4.2415e-52	0	0	0
r27	3.7813e-66	3.0526e-61	1.5756e-56	0	0	0
r28	3.8039e-71	4.7609e-66	3.8092e-61	0	0	0
r29	2.4896e-76	4.8314e-71	5.9931e-66	0	0	0
r30	1.0601e-81	3.1901e-76	6.1355e-71	0	0	0
r31	2.9363e-87	1.3703e-81	4.0868e-76	0	0	0
r32	5.2904e-93	3.829e-87	1.771e-81	0	0	0
r33	6.1997e-99	6.9596e-93	4.9923e-87	0	0	0
r34	4.7251e-105	8.2277e-99	9.1539e-93	0	0	0

r35	2.3421e-111	6.3261e-105	1.0917e-98	0	0	0
r36	7.5494e-118	3.1633e-111	8.4681e-105	0	0	0
r37	1.5824e-124	1.0286e-117	4.2717e-111	0	0	0
r38	2.1568e-131	2.1752e-124	1.4013e-117	0	0	0
r39	1.9115e-138	2.9909e-131	2.9894e-124	0	0	0
r40	1.1015e-145	2.674e-138	4.1467e-131	0	0	0
r41	4.1268e-153	1.5545e-145	3.7401e-138	0	0	0
r42	1.0052e-160	5.8754e-153	2.1934e-145	0	0	0
r43	1.5919e-168	1.4438e-160	8.3634e-153	0	0	0
r44	1.639e-176	2.3067e-168	2.0733e-160	0	0	0
r45	1.097e-184	2.3958e-176	3.3417e-168	0	0	0
r46	4.7734e-193	1.6178e-184	3.5015e-176	0	0	0
r47	1.3502e-201	7.1013e-193	2.3852e-184	1.2212e-15	0	0
r48	2.4828e-210	2.0264e-201	1.0563e-192	1.8807e-13	1.1102e-15	0
r49	2.9676e-219	3.7591e-210	3.0408e-201	1.9511e-11	1.7031e-13	9.992e-16
r50	2.3058e-228	4.5329e-219	5.6905e-210	1.3242e-09	1.7823e-11	1.551e-13
r51	1.1646e-237	3.5531e-228	6.9224e-219	5.8861e-08	1.2201e-09	1.6419e-11
r52	3.8233e-247	1.8104e-237	5.474e-228	1.7153e-06	5.4706e-08	1.139e-09
r53	8.1587e-257	5.9959e-247	2.8138e-237	3.2805e-05	1.608e-06	5.1884e-08
r54	1.1317e-266	1.2908e-256	9.4014e-247	0.00041218	3.1018e-05	1.5553e-06
r55	1.0203e-276	1.8062e-266	2.0418e-256	0.0034061	0.00039308	3.078e-05
r56	5.9788e-287	1.6428e-276	2.8823e-266	0.018532	0.0032761	0.00040387
r57	2.2772e-297	9.7119e-287	2.6447e-276	0.066444	0.017977	0.0035353
r58	5.6375e-308	3.7318e-297	1.5773e-286	0.15712	0.065005	0.020831
r59	9.0709e-319	9.32e-308	6.1143e-297	0.24518	0.15503	0.083755
r60	0	1.5129e-318	1.5405e-307	0.25257	0.24398	0.23465
r61	0	0	2.5227e-318	0.17175	0.25346	0.47329

xxx TABLE:pi_S_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.012224	0.2144	0.54675	0.2144	0.012224
r2	0.012224	0.2144	0.54675	0.2144	0.012224
r3	0.012224	0.2144	0.54675	0.2144	0.012224
r4	0.012224	0.2144	0.54675	0.2144	0.012224
r5	0.012224	0.2144	0.54675	0.2144	0.012224

xxx TABLE:pi_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c303**	**c304**	**c305**
r1	0.0057857	0.0030985	0.0020995	0	0	0
r2	0.0028684	0.0029825	0.0030875	0	0	0
r3	0.0010239	0.0018951	0.0029973	0	0	0
r4	0.00025465	0.00079465	0.0019207	0	0	0
r5	4.3217e-05	0.00021976	0.00081224	0	0	0
r6	4.9371e-06	4.0049e-05	0.00022654	0	0	0
r7	3.7627e-07	4.8052e-06	4.1638e-05	0	0	0
r8	1.9013e-08	3.7918e-07	5.0387e-06	0	0	0
r9	6.3425e-10	1.9657e-08	4.0102e-07	0	0	0
r10	1.3924e-11	6.6875e-10	2.0969e-08	0	0	0
r11	2.0071e-13	1.4915e-11	7.1954e-10	0	0	0
r12	1.8963e-15	2.1788e-13	1.6187e-11	0	0	0
r13	1.1727e-17	2.0827e-15	2.3851e-13	0	0	0
r14	4.7416e-20	1.3017e-17	2.2998e-15	0	0	0
r15	1.2525e-22	5.3161e-20	1.4499e-17	0	0	0
r16	2.1598e-25	1.4177e-22	5.973e-20	0	0	0
r17	2.4301e-28	2.4674e-25	1.6068e-22	0	0	0
r18	1.7831e-31	2.8014e-28	2.821e-25	0	0	0
r19	8.5288e-35	2.074e-31	3.231e-28	0	0	0
r20	2.6585e-38	1.0009e-34	2.413e-31	0	0	0
r21	5.3985e-42	3.1476e-38	1.1747e-34	0	0	0
r22	7.1402e-46	6.4483e-42	3.7266e-38	0	0	0
r23	6.1496e-50	8.6039e-46	7.7016e-42	0	0	0

r24	3.4482e-54	7.4756e-50	1.0367e-45	0	0	0
r25	1.2586e-58	4.2287e-54	9.0863e-50	0	0	0
r26	2.99e-63	1.5571e-58	5.185e-54	0	0	0
r27	4.6225e-68	3.7316e-63	1.926e-58	0	0	0
r28	4.65e-73	5.8199e-68	4.6565e-63	0	0	0
r29	3.0435e-78	5.9062e-73	7.3263e-68	0	0	0
r30	1.2959e-83	3.8997e-78	7.5004e-73	0	0	0
r31	3.5895e-89	1.6751e-83	4.9959e-78	0	0	0
r32	6.4672e-95	4.6808e-89	2.1649e-83	0	0	0
r33	7.5788e-101	8.5078e-95	6.1028e-89	0	0	0
r34	5.7762e-107	1.0058e-100	1.119e-94	0	0	0
r35	2.8631e-113	7.7334e-107	1.3346e-100	0	0	0
r36	9.2288e-120	3.867e-113	1.0352e-106	0	0	0
r37	1.9344e-126	1.2575e-119	5.2219e-113	0	0	0
r38	2.6366e-133	2.659e-126	1.713e-119	0	0	0
r39	2.3367e-140	3.6562e-133	3.6543e-126	0	0	0
r40	1.3465e-147	3.2689e-140	5.0691e-133	0	0	0
r41	5.0447e-155	1.9003e-147	4.5721e-140	0	0	0
r42	1.2288e-162	7.1823e-155	2.6813e-147	0	0	0
r43	1.9461e-170	1.765e-162	1.0224e-154	0	0	0
r44	2.0036e-178	2.8198e-170	2.5346e-162	0	0	0
r45	1.3411e-186	2.9288e-178	4.085e-170	0	0	0
r46	5.8353e-195	1.9776e-186	4.2804e-178	0	0	0
r47	1.6506e-203	8.681e-195	2.9158e-186	1.4929e-17	0	0
r48	3.0351e-212	2.4772e-203	1.2912e-194	2.2991e-15	1.3572e-17	0
r49	3.6278e-221	4.5953e-212	3.7172e-203	2.3851e-13	2.0819e-15	1.2215e-17
r50	2.8187e-230	5.5412e-221	6.9563e-212	1.6187e-11	2.1788e-13	1.896e-15
r256	1.8963e-15	2.1788e-13	1.6187e-11	0	0	0
r257	1.1727e-17	2.0827e-15	2.3851e-13	0	0	0
r258	4.7416e-20	1.3017e-17	2.2998e-15	0	0	0
r259	1.2525e-22	5.3161e-20	1.4499e-17	0	0	0
r260	2.1598e-25	1.4177e-22	5.973e-20	0	0	0
r261	2.4301e-28	2.4674e-25	1.6068e-22	0	0	0
r262	1.7831e-31	2.8014e-28	2.821e-25	0	0	0
r263	8.5288e-35	2.074e-31	3.231e-28	0	0	0
r264	2.6585e-38	1.0009e-34	2.413e-31	0	0	0
r265	5.3985e-42	3.1476e-38	1.1747e-34	0	0	0
r266	7.1402e-46	6.4483e-42	3.7266e-38	0	0	0
r267	6.1496e-50	8.6039e-46	7.7016e-42	0	0	0
r268	3.4482e-54	7.4756e-50	1.0367e-45	0	0	0
r269	1.2586e-58	4.2287e-54	9.0863e-50	0	0	0
r270	2.99e-63	1.5571e-58	5.185e-54	0	0	0
r271	4.6225e-68	3.7316e-63	1.926e-58	0	0	0
r272	4.65e-73	5.8199e-68	4.6565e-63	0	0	0
r273	3.0435e-78	5.9062e-73	7.3263e-68	0	0	0
r274	1.2959e-83	3.8997e-78	7.5004e-73	0	0	0
r275	3.5895e-89	1.6751e-83	4.9959e-78	0	0	0
r276	6.4672e-95	4.6808e-89	2.1649e-83	0	0	0
r277	7.5788e-101	8.5078e-95	6.1028e-89	0	0	0
r278	5.7762e-107	1.0058e-100	1.119e-94	0	0	0
r279	2.8631e-113	7.7334e-107	1.3346e-100	0	0	0
r280	9.2288e-120	3.867e-113	1.0352e-106	0	0	0
r281	1.9344e-126	1.2575e-119	5.2219e-113	0	0	0
r282	2.6366e-133	2.659e-126	1.713e-119	0	0	0
r283	2.3367e-140	3.6562e-133	3.6543e-126	0	0	0
r284	1.3465e-147	3.2689e-140	5.0691e-133	0	0	0
r285	5.0447e-155	1.9003e-147	4.5721e-140	0	0	0
r286	1.2288e-162	7.1823e-155	2.6813e-147	0	0	0
r287	1.9461e-170	1.765e-162	1.0224e-154	0	0	0
r288	2.0036e-178	2.8198e-170	2.5346e-162	0	0	0
r289	1.3411e-186	2.9288e-178	4.085e-170	0	0	0
r290	5.8353e-195	1.9776e-186	4.2804e-178	0	0	0
r291	1.6506e-203	8.681e-195	2.9158e-186	1.4929e-17	0	0
r292	3.0351e-212	2.4772e-203	1.2912e-194	2.2991e-15	1.3572e-17	0
r293	3.6278e-221	4.5953e-212	3.7172e-203	2.3851e-13	2.0819e-15	1.2215e-17

r294	2.8187e-230	5.5412e-221	6.9563e-212	1.6187e-11	2.1788e-13	1.896e-15
r295	1.4236e-239	4.3435e-230	8.4623e-221	7.1954e-10	1.4915e-11	2.0071e-13
r296	4.6738e-249	2.2131e-239	6.6917e-230	2.0969e-08	6.6875e-10	1.3924e-11
r297	9.9736e-259	7.3296e-249	3.4397e-239	4.0102e-07	1.9657e-08	6.3425e-10
r298	1.3834e-268	1.5779e-258	1.1493e-248	5.0387e-06	3.7918e-07	1.9013e-08
r299	1.2472e-278	2.208e-268	2.496e-258	4.1638e-05	4.8052e-06	3.7627e-07
r300	7.3088e-289	2.0082e-278	3.5235e-268	0.00022654	4.0049e-05	4.9371e-06
r301	2.7838e-299	1.1872e-288	3.233e-278	0.00081224	0.00021976	4.3217e-05
r302	6.8916e-310	4.5619e-299	...			

Parameters Used for Test Simulation

Rather than solving for all ages between 18 to 100, this solves for age groups, and has limited shocks and asset levels.

```
mp_params = snw_mp_param('default_small', true, 100, 6);
```

```
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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_preftechpricegov Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

	i	idx	value
Bequests	1	1	0
a2	2	2	1.5286
bequests_option	3	3	1
beta	4	4	0.86389
cons_allocation_rule	5	5	2
g_cons	6	6	0.17576
g_n	7	7	0.05101
gamma	8	8	2
jret	9	9	13
r	10	10	0.21665
theta	11	11	0.56523
throw_in_ocean	12	12	1

```
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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_intlen Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

	i	idx	value
n_agrid	1	1	25
n_educgrid	2	2	2
n_eta_H_grid	3	3	5
n_eta_S_grid	4	4	1
n_etagrid	5	5	5
n_jgrid	6	6	18
n_kidsgrid	7	7	3
n_marriedgrid	8	8	2

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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_covid_unemploy ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

	i	idx	ndim	numel	rowN	colN	sum	mean	std	coefvari	min
inc_grid	1	3	2	201	201	1	578.5	2.8781	1.8836	0.65444	0
pi_unemp	2	6	2	240	48	5	9.5319	0.039716	0.019674	0.49537	0.01241

xxx TABLE:inc_grid xxxxxxxxxxxxxxxxxx

	c1
r1	0
r2	0.026667
r3	0.053333
r4	0.08
r5	0.10667
r6	0.13333
r7	0.16
r8	0.18667
r9	0.21333
r10	0.24
r11	0.26667
r12	0.29333
r13	0.32
r14	0.34667
r15	0.37333
r16	0.4
r17	0.42667
r18	0.45333
r19	0.48
r20	0.50667
r21	0.53333
r22	0.56
r23	0.58667
r24	0.61333
r25	0.64
r26	0.66667
r27	0.69333
r28	0.72
r29	0.74667
r30	0.77333
r31	0.8
r32	0.82667
r33	0.85333
r34	0.88
r35	0.90667
r36	0.93333
r37	0.96
r38	0.98667
r39	1.0133
r40	1.04
r41	1.0667
r42	1.0933
r43	1.12
r44	1.1467
r45	1.1733
r46	1.2
r47	1.2267
r48	1.2533
r49	1.28
r50	1.3067
r152	4.06
r153	4.12
r154	4.18
r155	4.24
r156	4.3
r157	4.36
r158	4.42
r159	4.48
r160	4.54
r161	4.6
r162	4.66

r163	4.72
r164	4.78
r165	4.84
r166	4.9
r167	4.96
r168	5.02
r169	5.08
r170	5.14
r171	5.2
r172	5.26
r173	5.32
r174	5.38
r175	5.44
r176	5.5
r177	5.56
r178	5.62
r179	5.68
r180	5.74
r181	5.8
r182	5.86
r183	5.92
r184	5.98
r185	6.04
r186	6.1
r187	6.16
r188	6.22
r189	6.28
r190	6.34
r191	6.4
r192	6.46
r193	6.52
r194	6.58
r195	6.64
r196	6.7
r197	6.76
r198	6.82
r199	6.88
r200	6.94
r201	7

xxx TABLE:pi_unemp xxxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.080278	0.051706	0.041502	0.03538	0.025176
r2	0.080278	0.051706	0.041502	0.03538	0.025176
r3	0.080278	0.051706	0.041502	0.03538	0.025176
r4	0.080278	0.051706	0.041502	0.03538	0.025176
r5	0.080278	0.051706	0.041502	0.03538	0.025176
r6	0.080278	0.051706	0.041502	0.03538	0.025176
r7	0.080278	0.051706	0.041502	0.03538	0.025176
r8	0.080278	0.051706	0.041502	0.03538	0.025176
r9	0.080278	0.051706	0.041502	0.03538	0.025176
r10	0.080278	0.051706	0.041502	0.03538	0.025176
r11	0.080278	0.051706	0.041502	0.03538	0.025176
r12	0.080278	0.051706	0.041502	0.03538	0.025176
r13	0.080278	0.051706	0.041502	0.03538	0.025176
r14	0.070703	0.042132	0.031928	0.025805	0.015601
r15	0.070703	0.042132	0.031928	0.025805	0.015601
r16	0.070703	0.042132	0.031928	0.025805	0.015601
r17	0.070703	0.042132	0.031928	0.025805	0.015601
r18	0.070703	0.042132	0.031928	0.025805	0.015601
r19	0.070703	0.042132	0.031928	0.025805	0.015601
r20	0.070703	0.042132	0.031928	0.025805	0.015601
r21	0.070703	0.042132	0.031928	0.025805	0.015601

r22	0.070703	0.042132	0.031928	0.025805	0.015601
r23	0.070703	0.042132	0.031928	0.025805	0.015601
r24	0.067512	0.038941	0.028736	0.022614	0.01241
r25	0.067512	0.038941	0.028736	0.022614	0.01241
r26	0.067512	0.038941	0.028736	0.022614	0.01241
r27	0.067512	0.038941	0.028736	0.022614	0.01241
r28	0.067512	0.038941	0.028736	0.022614	0.01241
r29	0.067512	0.038941	0.028736	0.022614	0.01241
r30	0.067512	0.038941	0.028736	0.022614	0.01241
r31	0.067512	0.038941	0.028736	0.022614	0.01241
r32	0.067512	0.038941	0.028736	0.022614	0.01241
r33	0.067512	0.038941	0.028736	0.022614	0.01241
r34	0.068576	0.040004	0.0298	0.023678	0.013474
r35	0.068576	0.040004	0.0298	0.023678	0.013474
r36	0.068576	0.040004	0.0298	0.023678	0.013474
r37	0.068576	0.040004	0.0298	0.023678	0.013474
r38	0.068576	0.040004	0.0298	0.023678	0.013474
r39	0.068576	0.040004	0.0298	0.023678	0.013474
r40	0.068576	0.040004	0.0298	0.023678	0.013474
r41	0.068576	0.040004	0.0298	0.023678	0.013474
r42	0.068576	0.040004	0.0298	0.023678	0.013474
r43	0.068576	0.040004	0.0298	0.023678	0.013474
r44	0.080278	0.051706	0.041502	0.03538	0.025176
r45	0.080278	0.051706	0.041502	0.03538	0.025176
r46	0.080278	0.051706	0.041502	0.03538	0.025176
r47	0.080278	0.051706	0.041502	0.03538	0.025176
r48	0.080278	0.051706	0.041502	0.03538	0.025176

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CONTAINER NAME: mp_params_covid_unemploy Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	**idx**	**value**
TR	1	1	0.0017225
b	2	2	1
n_incgrid	3	4	201
n_welfchecksgrid	4	5	45
scaleconvertor	5	7	58056
xi	6	8	0.75

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CONTAINER NAME: mp_params_statesgrid ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	**idx**	**ndim**	**numel**	**rowN**	**colN**	**sum**	**mean**	**std**	**coefvari**
agrid	1	1	2	25	25	1	878.91	35.156	41.372	1.1768
eta_H_grid	2	2	2	5	5	1	-2.2204e-16	-4.4409e-17	1.4543	-3.2747e+16
eta_S_grid	3	3	2	5	5	1	0	0	0	NaN

xxx TABLE:agrid xxxxxxxxxxxxxxxxx

	c1
r1	0
r2	0.0097656
r3	0.078125
r4	0.26367
r5	0.625
r6	1.2207
r7	2.1094
r8	3.3496

r9	5
r10	7.1191
r11	9.7656
r12	12.998
r13	16.875
r14	21.455
r15	26.797
r16	32.959
r17	40
r18	47.979
r19	56.953
r20	66.982
r21	78.125
r22	90.439
r23	103.98
r24	118.82
r25	135

xxx TABLE:eta_H_grid xxxxxxxxxxxxxxxxx

	c1
r1	-1.8395
r2	-0.91976
r3	0
r4	0.91976
r5	1.8395

xxx TABLE:eta_S_grid xxxxxxxxxxxxxxxxx

	c1
r1	0
r2	0
r3	0
r4	0
r5	0

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CONTAINER NAME: mp_params_exotrans ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	**idx**	**ndim**	**numel**	**rowN**	**colN**	**sum**	**mean**	**std**	**coefvari**
cl_mt_pi_jem_kidseta	1	1	2	225	15	15	15	0.066667	0.20074	3.0111
pi_H_eta	2	2	2	25	5	5	5	0.2	0.38512	1.9256
pi_eta	3	4	2	25	5	5	5	0.2	0.38512	1.9256
pi_kids	4	5	5	648	3	216	216	0.33333	0.35615	1.0684
psi	5	6	2	18	18	1	14.251	0.79171	0.31255	0.39478

xxx TABLE:cl_mt_pi_jem_kidseta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c13**	**c14**	**c15**
r1	0.8194	0.066439	4.258e-10	1.3413e-12	0	0
r2	0.0023536	0.85739	0.026096	8.2205e-05	7.2608e-14	0
r3	1.0239e-12	0.008585	0.86867	0.0027364	2.7043e-05	3.2254e-15
r4	1.1339e-29	2.3049e-11	0.026096	8.2205e-05	0.0027009	7.414e-06
r5	2.525e-54	1.6656e-27	4.258e-10	1.3413e-12	0.00020929	0.0025812
r6	0.047493	0.0038508	2.468e-11	1.3763e-10	0	0
r7	0.00013641	0.049695	0.0015125	0.0084347	7.4499e-12	0
r8	5.9343e-14	0.00049759	0.050348	0.28077	0.0027748	3.3094e-13
r9	6.5721e-31	1.3359e-12	0.0015125	0.0084347	0.27712	0.00076071
r10	1.4635e-55	9.6537e-29	2.468e-11	1.3763e-10	0.021474	0.26484

r11	0.0013898	0.00011269	7.2224e-13	4.4952e-10	0	0
r12	3.9921e-06	0.0014543	4.4263e-05	0.02755	2.4333e-11	0
r13	1.7366e-15	1.4562e-05	0.0014734	0.91706	0.0090632	1.0809e-12
r14	1.9233e-32	3.9096e-14	4.4263e-05	0.02755	0.90515	0.0024847
r15	4.2828e-57	2.8251e-30	7.2224e-13	4.4952e-10	0.07014	0.86505

xxx TABLE:pi_H_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.925	0.075001	4.8068e-10	0	0
r2	0.0026569	0.96788	0.029459	2.602e-11	0
r3	1.1558e-12	0.0096913	0.98062	0.0096913	1.1559e-12
r4	1.28e-29	2.602e-11	0.029459	0.96788	0.0026569
r5	2.8504e-54	1.8802e-27	4.8068e-10	0.075001	0.925

xxx TABLE:pi_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.925	0.075001	4.8068e-10	0	0
r2	0.0026569	0.96788	0.029459	2.602e-11	0
r3	1.1558e-12	0.0096913	0.98062	0.0096913	1.1559e-12
r4	1.28e-29	2.602e-11	0.029459	0.96788	0.0026569
r5	2.8504e-54	1.8802e-27	4.8068e-10	0.075001	0.925

xxx TABLE:pi_kids xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c214**	**c215**	**c216**
r1	0.88584	0.11137	0.0027905	1	0	0
r2	0.051343	0.66234	0.28632	1	0	0
r3	0.0015025	0.063309	0.93519	1	0	0

xxx TABLE:psi xxxxxxxxxxxxxxxxx

	c1
r1	0.99935
r2	0.99623
r3	0.99635
r4	0.99537
r5	0.99299
r6	0.98956
r7	0.98547
r8	0.98022
r9	0.96914
r10	0.95071
r11	0.92082
r12	0.87772
r13	0.81394
r14	0.70638
r15	0.54032
r16	0.34767
r17	0.18848
r18	0

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CONTAINER NAME: mp_params_exotrans Scalars
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	**idx**	**value**
pi_S_eta	1	3	1

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CONTAINER NAME: mp_params_typelife ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

	i	idx	ndim	numel	rowN	colN	sum	mean	std	coefvari	min	ma
SS	1	1	2	36	18	2	3.2218	0.089493	0.12913	1.443	0	0.29
epsilon	2	2	2	36	18	2	39.526	1.0979	0.85451	0.77828	0	2.2

```
xxx TABLE:SS xxxxxxxxxxxxxxxxxx
```

	c1	c2
r1	0	0
r2	0	0
r3	0	0
r4	0	0
r5	0	0
r6	0	0
r7	0	0
r8	0	0
r9	0	0
r10	0	0
r11	0	0
r12	0	0
r13	0.24433	0.29263
r14	0.24433	0.29263
r15	0.24433	0.29263
r16	0.24433	0.29263
r17	0.24433	0.29263
r18	0.24433	0.29263

```
xxx TABLE:epsilon xxxxxxxxxxxxxxxxxx
```

	c1	c2
r1	1	1
r2	1.0778	1.1836
r3	1.2546	1.6124
r4	1.397	1.9418
r5	1.5022	2.1452
r6	1.5712	2.2394
r7	1.6064	2.2588
r8	1.6097	2.2341
r9	1.5815	2.182
r10	1.5204	2.1034
r11	1.4243	1.9846
r12	1.2917	1.8041
r13	0	0
r14	0	0
r15	0	0
r16	0	0
r17	0	0
r18	0	0

```
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xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CONTAINER NAME: mp_params_stat ND Array (Matrix etc)
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

	i	idx	ndim	numel	rowN	colN	sum	mean	std	coefvari
Pop	1	1	2	18	18	1	9.8945	0.54969	0.31889	0.58012

stat_distr_educ	2	3	2	2	1	2	1	0.5	0.2786	0.5572
stat_distr_eta	3	4	2	5	1	5	1	0.2	0.24003	1.2001
stat_distr_kids	4	5	3	12	2	6	4	0.33333	0.33166	0.99497
stat_distr_married	5	6	2	4	2	2	2	0.5	0.073381	0.14676

xxx TABLE:Pop xxxxxxxxxxxxxxxxx

	c1
r1	1
r2	0.95085
r3	0.90129
r4	0.85442
r5	0.80919
r6	0.76452
r7	0.71982
r8	0.67493
r9	0.62947
r10	0.58044
r11	0.52505
r12	0.46001
r13	0.38416
r14	0.29751
r15	0.19995
r16	0.1028
r17	0.034004
r18	0.006098

xxx TABLE:stat_distr_educ xxxxxxxxxxxxxxxxx

	c1	**c2**
r1	0.697	0.303

xxx TABLE:stat_distr_eta xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**
r1	0.0069316	0.19567	0.59479	0.19567	0.0069316

xxx TABLE:stat_distr_kids xxxxxxxxxxxxxxxxx

	c1	**c2**	**c3**	**c4**	**c5**	**c6**
r1	0.75801	0.44877	0.1564	0.32041	0.08559	0.23083
r2	0.97627	0.7604	0.023626	0.2173	0.00010011	0.022305

xxx TABLE:stat_distr_married xxxxxxxxxxxxxxxxx

	c1	**c2**
r1	0.5635	0.4365
r2	0.4364	0.5636

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CONTAINER NAME: mp_params_stat String
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

	i	**idx**	**string**
st_old_age_depend	"1"	"2"	"Old-age dependency ratio (ratio of 65+/(18-64))=0.1155"

Parameters Used for Paper Simulations

Using 266 household head income shocks. Requires 150GB of memory.

```
% mp_params = snw_mp_param('default_moredense_a65zh266zs5_e2m2', true, 100, 6);
```