The MEANS Procedure

YEAR=1971

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	1534	4.3315663	1.6043829	3.6545797	6.3038734	3.7308067	-4.2350856	23.4648433
PD_iterative	1534	0.0900031	1.451488E-10	0.000128805	0.0543148	0.2012907	4.66317E-122	0.9999886
DD_direct	1534	4.4979602	1.7353681	3.7062100	6.4627624	3.7604834	-6.5816935	23.8613646
PD_direct	1534	0.0739462	5.140433E-11	0.000105217	0.0413378	0.1752506	3.85902E-126	1.0000000
DD_naive	1534	4.3515050	1.6978913	3.6183120	6.0996688	3.6328911	-3.1689866	23.8586890
PD_naive	1534	0.0713126	5.314425E-10	0.000148268	0.0447641	0.1641187	4.11387E-126	0.9992351

YEAR=1972

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	1613	6.3548337	3.1373719	5.2842673	8.3040450	4.7709877	-3.0565033	36.0885956
PD_iterative	1613	0.0272581	5.031276E-17	6.3104418E-8	0.000852349	0.1023846	1.71207E-285	0.9988803
DD_direct	1613	6.8581169	3.5845943	5.7540734	8.9620418	4.8434138	-4.3722312	36.5078478
PD_direct	1613	0.0154979	1.593604E-19	4.3559145E-9	0.000168801	0.0735968	4.16267E-292	0.9999939
DD_naive	1613	6.5760037	3.4179819	5.4472064	8.4229779	4.7666048	-2.5885159	36.5036232
PD_naive	1613	0.0160287	1.835169E-17	2.5583531E-8	0.000315437	0.0709003	4.85735E-292	0.9951805

YEAR=1973

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2644	8.5077613	3.2743167	6.1171826	10.2532576	11.1642911	-3.9475319	275.2764024
PD_iterative	2644	0.0371745	5.721763E-25	4.762321E-10	0.000529590	0.1336854	0	0.9999605
DD_direct	2644	8.8103975	3.6336285	6.5503009	10.7696302	9.9954137	-6.8377341	223.3067797
PD_direct	2644	0.0256109	2.396902E-27	2.87107E-11	0.000139732	0.1104510	0	1.0000000
DD_naive	2644	8.2185881	3.4405295	6.1339448	9.9760882	9.2336939	-3.1888916	220.5357063
PD_naive	2644	0.0242071	9.704896E-24	4.286455E-10	0.000290289	0.1013002	0	0.9992859

YEAR=1974

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2760	3.5461539	0.7486560	2.5519900	4.9037301	17.6172689	-13.1397858	907.8788144
PD_iterative	2760	0.1701431	4.7017615E-7	0.0053556	0.2270324	0.2829672	0	1.0000000
DD_direct	2760	3.7272326	0.9702908	2.7787660	5.1573296	16.4812537	-15.0969751	845.1312400
PD_direct	2760	0.1509288	1.2527442E-7	0.0027283	0.1659508	0.2729876	0	1.0000000
DD_naive	2760	3.6821134	1.0057342	2.7262514	5.0027786	15.3028183	-6.6729534	784.2386711
PD_naive	2760	0.1403321	2.8255306E-7	0.0032029	0.1572719	0.2541570	0	1.0000000

YEAR=1975

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3138	2.1160759	-0.0061166	1.6636748	3.7294166	3.3157587	-8.7978416	51.6994528
PD_iterative	3138	0.2658462	0.000095962	0.0480888	0.5024401	0.3489374	0	1.0000000
DD_direct	3138	2.4006786	0.3588278	2.0356551	4.1506538	3.8420188	-21.3632655	71.2977085
PD_direct	3138	0.2276670	0.000016576	0.0208926	0.3598620	0.3359612	0	1.0000000
DD_naive	3138	2.4558287	0.4787701	1.9840598	3.9542160	3.4524205	-6.5210967	70.8543644
PD_naive	3138	0.2096235	0.000038393	0.0236251	0.3160511	0.3120640	0	1.0000000

YEAR=1976

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3085	4.9638883	2.1847686	4.5090775	7.2788448	4.8434483	-145.9648215	26.7176636
PD_iterative	3085	0.0834471	1.683453E-13	3.2555058E-6	0.0144529	0.2158730	1.4673E-157	1.0000000
DD_direct	3085	6.1924091	3.3362931	5.7164188	8.5489156	4.3823404	-42.3807547	47.6748579
PD_direct	3085	0.0407646	6.212517E-18	5.4396204E-9	0.000424518	0.1551616	0	1.0000000
DD_naive	3085	5.7805712	3.1615251	5.3096942	7.7605849	3.7691345	-7.5365931	27.5323104
PD_naive	3085	0.0342419	4.226928E-15	5.4904657E-8	0.000784727	0.1351244	3.60398E-167	1.0000000

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YEAR=1977

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3126	6.1489215	2.7282310	5.4958175	8.5183942	6.8741949	-10.8498034	281.6464192
PD_iterative	3126	0.0732083	8.089039E-18	1.9445783E-8	0.0031838	0.2009687	0	1.0000000
DD_direct	3126	7.5604474	3.9416703	6.8139477	10.1845563	5.6710677	-34.2531178	82.0376812
PD_direct	3126	0.0309215	1.162088E-24	4.747873E-12	0.000040458	0.1295388	0	1.0000000
DD_naive	3126	6.8181066	3.7048404	6.2706664	9.0731865	4.5626518	-5.6458838	57.2737139
PD_naive	3126	0.0275196	5.779309E-20	1.797718E-10	0.000105762	0.1153758	0	1.0000000

YEAR=1978

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3150	6.0051766	2.5653658	5.3134897	8.3282975	4.9991453	-5.3395104	38.5761284
PD_iterative	3150	0.0773944	4.100659E-17	5.377316E-8	0.0051534	0.2082904	0	1.0000000
DD_direct	3150	7.2645704	3.8051740	6.5417762	9.7457509	6.0912735	-55.1338427	102.2248317
PD_direct	3150	0.0454883	9.617577E-23	3.039622E-11	0.000070852	0.1674934	0	1.0000000
DD_naive	3150	6.6765521	3.5129093	5.9865498	8.7488632	5.0482985	-5.0082778	89.7086830
PD_naive	3150	0.0399105	1.077563E-18	1.0717942E-9	0.000221614	0.1467294	0	0.9999997

YEAR=1979

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3154	5.0777888	2.2470383	4.3266286	6.8315548	4.7567737	-4.1724395	102.6466529
PD_iterative	3154	0.0734618	4.19996E-12	7.570461E-6	0.0123188	0.1918986	0	0.9999849
DD_direct	3154	7.1294225	3.2351880	5.3616331	7.8878973	62.5585237	-9.3602936	3510.66
PD_direct	3154	0.0366670	1.536603E-15	4.1239405E-8	0.000607813	0.1373993	0	1.0000000
DD_naive	3154	5.7121812	3.1445632	5.0041591	7.2611832	4.1476788	-3.7949582	71.8248171
PD_naive	3154	0.0291982	1.918594E-13	2.8062745E-7	0.000831675	0.1117336	0	0.9999262

YEAR=1980

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3110	5.5981920	2.4202057	4.9462863	7.8247780	4.5998394	-6.5670622	47.2438608
PD_iterative	3110	0.0667608	2.542767E-15	3.7822493E-7	0.0077559	0.1833488	0	1.0000000
DD_direct	3110	6.8729416	3.6967180	6.2926314	9.0983324	5.0445327	-25.2183993	60.4805978
PD_direct	3110	0.0373341	4.586471E-20	1.560649E-10	0.000109202	0.1472460	0	1.0000000
DD_naive	3110	6.5591553	3.6184225	5.8638496	8.5481523	4.6172696	-3.6946136	60.4097781
PD_naive	3110	0.0285446	6.253728E-18	2.2615807E-9	0.000148202	0.1187843	0	0.9998899

YEAR=1981

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3183	5.1884992	2.5020830	4.6516365	7.1665690	4.2420197	-5.4573352	50.7851641
PD_iterative	3183	0.0737753	3.845033E-13	1.6465557E-6	0.0061732	0.1980550	0	1.0000000
DD_direct	3183	6.0726764	3.2601183	5.3788181	7.9355742	5.3096229	-30.5425084	93.3374197
PD_direct	3183	0.0459791	1.047618E-15	3.7488206E-8	0.000556829	0.1619215	0	1.0000000
DD_naive	3183	5.9098399	3.2849585	5.2706997	7.6889189	4.3930966	-5.3550537	82.2723852
PD_naive	3183	0.0334725	7.419175E-15	6.795233E-8	0.000509987	0.1268064	0	1.0000000

YEAR=1982

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3323	5.1119546	2.2146549	4.3764525	6.9578386	4.5479428	-9.9531070	51.6646645
PD_iterative	3323	0.0775092	1.727664E-12	6.0313226E-6	0.0133919	0.2048323	0	1.0000000
DD_direct	3323	6.2218341	3.0086283	5.3922444	8.3469300	5.5722080	-50.7698755	67.4288404
PD_direct	3323	0.0525614	3.50301E-17	3.4791525E-8	0.0013121	0.1788913	0	1.0000000
DD_naive	3323	5.8916949	2.9571632	5.2015979	7.7839608	4.5680747	-8.2611545	51.5700925
PD_naive	3323	0.0440236	3.514426E-15	9.8791171E-8	0.0015524	0.1545786	0	1.0000000

The MEANS Procedure

YEAR=1983

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3366	5.4872974	2.2867946	4.8074939	7.7856308	5.2315018	-16.9086912	110.0633598
PD_iterative	3366	0.0848813	3.468311E-15	7.6424767E-7	0.0111039	0.2119068	0	1.0000000
DD_direct	3366	6.9744398	3.1467696	5.9690091	9.2190741	8.7380014	-16.0745052	244.4407045
PD_direct	3366	0.0530837	1.498383E-20	1.1935333E-9	0.000825425	0.1700625	0	1.0000000
DD_naive	3366	6.3450860	3.0361004	5.6472923	8.5401257	5.9379021	-5.4931478	184.4237829
PD_naive	3366	0.0468129	6.703796E-18	8.1497358E-9	0.0011983	0.1504126	0	1.0000000

YEAR=1984

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3576	6.7981007	3.4831543	6.0508926	9.1041602	5.0185737	-18.6830445	55.8394198
PD_iterative	3576	0.0413155	4.348758E-20	7.202309E-10	0.000247778	0.1497628	0	1.0000000
DD_direct	3576	7.9682969	4.4184637	7.0805416	10.3307513	5.4844228	-9.2425158	91.2725114
PD_direct	3576	0.0232149	2.558159E-25	7.179852E-13	4.970252E-6	0.1142425	0	1.0000000
DD_naive	3576	7.5650925	4.2763481	6.8013003	9.7700648	5.0646313	-4.3374142	86.7039954
PD_naive	3576	0.0198112	7.567794E-23	5.184382E-12	9.5003911E-6	0.0980511	0	0.9999928

YEAR=1985

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3671	5.9016853	2.1295353	4.9687994	8.1605952	5.6165961	-8.8086356	64.0231380
PD_iterative	3671	0.0833677	1.666889E-16	3.368436E-7	0.0166050	0.2133537	0	1.0000000
DD_direct	3671	6.7751751	2.8073505	5.8386588	9.3836595	6.3217327	-57.1511371	105.4476447
PD_direct	3671	0.0627486	3.1873E-21	2.6311349E-9	0.0024975	0.1899568	0	1.0000000
DD_naive	3671	6.4765841	2.7622048	5.5606091	8.8164098	5.8175408	-10.6380085	101.5498278
PD_naive	3671	0.0571434	5.909416E-19	1.3441734E-8	0.0028706	0.1730143	0	1.0000000

YEAR=1986

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3641	6.4000403	2.6277593	5.5069245	9.2318872	5.2743554	-7.8832230	65.7755055
PD_iterative	3641	0.0669522	1.329525E-20	1.8257837E-8	0.0042975	0.1890790	0	1.0000000
DD_direct	3641	7.6204914	3.5828759	6.7657354	10.6428811	6.2343350	-14.5031231	122.5491311
PD_direct	3641	0.0468753	9.410883E-27	6.631686E-12	0.000169916	0.1619601	0	1.0000000
DD_naive	3641	7.1670728	3.4833597	6.4480264	9.9493700	5.4552760	-6.3959126	108.7664819
PD_naive	3641	0.0425007	1.268923E-23	5.665803E-11	0.000247581	0.1475529	0	1.0000000

YEAR=1987

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3752	5.2774977	2.1706702	4.4764178	7.5812650	4.5741635	-21.4018392	57.6317191
PD_iterative	3752	0.0830987	1.711009E-14	3.7953376E-6	0.0149792	0.2123874	0	1.0000000
DD_direct	3752	6.0299495	2.8687435	5.3883554	8.4691270	4.7768189	-30.8193437	57.6425111
PD_direct	3752	0.0572820	1.236312E-17	3.5553112E-8	0.0020606	0.1798916	0	1.0000000
DD_naive	3752	5.8418646	2.7777845	5.1422676	8.1416089	4.4987279	-6.2678134	57.2515006
PD_naive	3752	0.0520088	1.952321E-16	1.3572106E-7	0.0027365	0.1623374	0	1.0000000

YEAR=1988

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3871	3.4961977	1.3015466	3.0370038	5.1734874	3.3010975	-7.3927021	32.4982091
PD_iterative	3871	0.1211325	1.1488233E-7	0.0011947	0.0965357	0.2415045	5.65125E-232	1.0000000
DD_direct	3871	3.7965328	1.5741127	3.3688055	5.4858477	3.5299390	-21.0931798	34.6765923
PD_direct	3871	0.0958160	2.0574564E-8	0.000377473	0.0577307	0.2152560	8.87826E-264	1.0000000
DD_naive	3871	3.7847815	1.5638325	3.3122465	5.3872213	3.2895754	-8.1479484	34.6501578
PD_naive	3871	0.0886924	3.5777645E-8	0.000462750	0.0589285	0.1984393	2.22129E-263	1.0000000

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YEAR=1989

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3775	5.2298611	1.8943461	4.4385441	7.5662764	4.7585497	-7.1698464	44.9960356
PD_iterative	3775	0.0966516	1.920372E-14	4.5284717E-6	0.0290895	0.2269469	0	1.0000000
DD_direct	3775	6.0976396	2.6558879	5.4306159	8.6198758	5.1171803	-31.4357335	47.3043498
PD_direct	3775	0.0669496	3.351338E-18	2.8079953E-8	0.0039550	0.1921314	0	1.0000000
DD_naive	3775	5.8804447	2.6289553	5.2023019	8.1660662	4.6853682	-6.0552193	44.3624865
PD_naive	3775	0.0579507	1.593042E-16	9.8417562E-8	0.0042824	0.1695706	0	1.0000000

YEAR=1990

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3615	5.6567050	1.7763113	4.6478799	8.3434456	5.3856823	-14.1352534	53.3693602
PD_iterative	3615	0.1075393	3.607832E-17	1.6768207E-6	0.0378408	0.2425608	0	1.0000000
DD_direct	3615	6.5191819	2.4909305	5.6050221	9.5209153	5.9091440	-56.6569998	55.2934199
PD_direct	3615	0.0760040	8.583018E-22	1.0411422E-8	0.0063705	0.2081702	0	1.0000000
DD_naive	3615	6.3219621	2.4152168	5.3571455	9.0389085	5.4001926	-8.6144881	52.8193448
PD_naive	3615	0.0679817	7.912194E-20	4.2273519E-8	0.0078629	0.1886837	0	1.0000000

YEAR=1991

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3537	3.5781691	0.5751752	2.6688885	5.6441885	4.5570418	-6.9070995	91.2659302
PD_iterative	3537	0.1951293	8.2981094E-9	0.0038051	0.2825864	0.3176408	0	1.0000000
DD_direct	3537	3.9213802	0.9371008	3.0824235	6.1805051	5.1513298	-55.2934970	91.8342714
PD_direct	3537	0.1658052	3.194841E-10	0.0010266	0.1743534	0.2992793	0	1.0000000
DD_naive	3537	3.9383385	0.9857869	3.0068884	5.9419259	4.6272765	-10.1297340	91.8168418
PD_naive	3537	0.1528038	1.4084639E-9	0.0013197	0.1621188	0.2782463	0	1.0000000

YEAR=1992

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3537	5.4068164	1.9887621	4.6522420	7.9159041	4.8860598	-37.6221273	32.5706994
PD_iterative	3537	0.1027369	1.227314E-15	1.6417271E-6	0.0233637	0.2419664	5.33242E-233	1.0000000
DD_direct	3537	6.4868815	2.6564871	5.4364706	9.0257972	6.0037187	-17.8620855	98.2028472
PD_direct	3537	0.0708274	8.919587E-20	2.7173147E-8	0.0039480	0.1996652	0	1.0000000
DD_naive	3537	6.1134601	2.6149581	5.2365349	8.5599918	4.8394859	-6.5023648	39.2468602
PD_naive	3537	0.0590234	5.643779E-18	8.1809647E-8	0.0044619	0.1721952	0	1.0000000

YEAR=1993

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3615	5.0431015	1.8326131	4.2514752	7.5394637	4.5273018	-24.1692495	28.7334477
PD_iterative	3615	0.1050443	2.35954E-14	0.000010618	0.0334301	0.2403813	7.29196E-182	1.0000000
DD_direct	3615	5.8777933	2.3833805	4.9124374	8.4441678	5.5699915	-11.8315702	161.6501986
PD_direct	3615	0.0761146	1.531095E-17	4.4975561E-7	0.0085772	0.2011805	0	1.0000000
DD_naive	3615	5.5924906	2.3351535	4.7538347	7.9581425	4.4479938	-4.2687269	28.6821192
PD_naive	3615	0.0650399	8.732059E-16	9.9797122E-7	0.0097677	0.1733970	3.18833E-181	0.9999902

YEAR=1994

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4129	5.3956090	2.2827869	4.6417001	7.7054409	4.4506507	-32.4596093	41.7264616
PD_iterative	4129	0.0728356	6.519617E-15	1.7277708E-6	0.0112215	0.1966288	0	1.0000000
DD_direct	4129	6.1450901	2.8908712	5.4047931	8.5183248	4.5743210	-9.6431806	42.8471781
PD_direct	4129	0.0488906	8.093888E-18	3.2441629E-8	0.0019209	0.1588695	0	1.0000000
DD_naive	4129	5.8944616	2.7942576	5.1116007	8.1423068	4.3134320	-3.7008683	42.8179337
PD_naive	4129	0.0420364	1.939085E-16	1.5972027E-7	0.0026010	0.1349279	0	0.9998926

The MEANS Procedure

YEAR=1995

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4396	4.8189897	1.7628010	4.0071918	6.9129443	4.5002299	-21.9048840	50.7202666
PD_iterative	4396	0.0938624	2.373505E-12	0.000030723	0.0389671	0.2146057	0	1.0000000
DD_direct	4396	5.3850035	2.3799213	4.6051656	7.5438664	4.6394422	-40.8192065	51.7476973
PD_direct	4396	0.0654987	2.281213E-14	2.060693E-6	0.0086583	0.1822488	0	1.0000000
DD_naive	4396	5.2759932	2.3036052	4.3813576	7.2417362	4.4020939	-6.3094853	51.7096470
PD_naive	4396	0.0591325	2.215343E-13	5.8975941E-6	0.0106224	0.1625091	0	1.0000000

YEAR=1996

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4504	5.9000036	2.3253389	4.9849244	8.5395628	4.9821848	-9.8472807	45.4825740
PD_iterative	4504	0.0741253	6.745586E-18	3.0993604E-7	0.0100270	0.1967124	0	1.0000000
DD_direct	4504	6.9403158	3.0088943	6.0130945	9.9044930	5.4574905	-25.9574731	58.5231790
PD_direct	4504	0.0525702	1.992998E-23	9.102019E-10	0.0013110	0.1630961	0	1.0000000
DD_naive	4504	6.5602288	2.9377425	5.7391035	9.2843106	4.9340887	-6.6742137	47.0573138
PD_naive	4504	0.0466832	8.138021E-21	4.7589543E-9	0.0016531	0.1438472	0	1.0000000

YEAR=1997

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4724	5.3457488	2.2179045	4.6457789	7.7841223	4.6693754	-74.8015221	45.9657502
PD_iterative	4724	0.0763332	3.510032E-15	1.6939786E-6	0.0132809	0.1994497	0	1.0000000
DD_direct	4724	6.4075037	2.9896619	5.6464014	9.0060447	5.0651801	-12.2335953	127.5546803
PD_direct	4724	0.0480760	1.068426E-19	8.1920541E-9	0.0013964	0.1552238	0	1.0000000
DD_naive	4724	6.0913141	2.9359307	5.3721398	8.4154979	4.4319977	-4.6438234	55.4055388
PD_naive	4724	0.0423836	1.956503E-17	3.8904213E-8	0.0016628	0.1354280	0	0.9999983

YEAR=1998

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4749	5.4813028	2.4775161	4.9548348	7.8518012	5.7258535	-253.4475168	60.3451278
PD_iterative	4749	0.0705201	2.050521E-15	3.6195878E-7	0.0066150	0.1932738	0	1.0000000
DD_direct	4749	6.5878769	3.2747262	6.0551361	9.1984802	4.6141044	-8.1740095	61.1528117
PD_direct	4749	0.0467170	1.815241E-20	7.014951E-10	0.000528822	0.1547951	0	1.0000000
DD_naive	4749	6.3037331	3.2199988	5.8278766	8.6904927	4.2587477	-4.3458162	61.1053839
PD_naive	4749	0.0411537	1.804355E-18	2.8068537E-9	0.000640956	0.1361368	0	0.9999931

YEAR=1999

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4585	3.7145527	1.1813353	3.0826022	5.5184809	3.9637937	-53.2497955	98.0547024
PD_iterative	4585	0.1289904	1.7097135E-8	0.0010260	0.1187348	0.2477624	0	1.0000000
DD_direct	4585	4.2157622	1.6065967	3.5827934	6.1088575	3.9064880	-11.9026170	96.1893150
PD_direct	4585	0.0958978	5.017345E-10	0.000169970	0.0540714	0.2130378	0	1.0000000
DD_naive	4585	4.1386014	1.5658864	3.4760353	5.9777507	3.6717482	-4.5297880	74.2106174
PD_naive	4585	0.0891421	1.131198E-9	0.000254443	0.0586876	0.1956108	0	0.9999970

YEAR=2000

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4455	3.7173725	1.1784047	3.1679558	5.5144853	3.8112196	-51.2518535	36.1567770
PD_iterative	4455	0.1305969	1.7490112E-8	0.000767574	0.1193176	0.2497562	1.45573E-286	1.0000000
DD_direct	4455	4.2487570	1.7445915	3.6937829	5.9853227	3.7002934	-6.9415082	36.2082626
PD_direct	4455	0.0933208	1.0798065E-9	0.000110471	0.0405280	0.2154060	2.25646E-287	1.0000000
DD_naive	4455	4.1706513	1.7174360	3.5891193	5.7834577	3.5556251	-4.2784366	36.1166355
PD_naive	4455	0.0843579	3.6590305E-9	0.000165899	0.0429498	0.1937766	6.21646E-286	0.9999906

The MEANS Procedure

YEAR=2001

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	4190	2.8737506	0.7950642	2.5608019	4.7210374	3.8684835	-69.8014788	26.1170198
PD_iterative	4190	0.1695138	1.1732239E-6	0.0052216	0.2132881	0.2883734	1.16814E-150	1.0000000
DD_direct	4190	3.5197180	1.2099495	3.0558122	5.2652125	3.3728547	-11.2867831	32.5165174
PD_direct	4190	0.1310851	7.0013657E-8	0.0011223	0.1131491	0.2553314	3.11479E-232	1.0000000
DD_naive	4190	3.3933650	1.2378271	2.9570241	5.0401662	3.0696085	-5.9471306	26.1352731
PD_naive	4190	0.1216591	2.3256392E-7	0.0015532	0.1078901	0.2369266	7.24575E-151	1.0000000

YEAR=2002

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3739	4.0021327	1.6134358	3.6564668	5.9550903	3.7356750	-43.1128829	28.0749841
PD_iterative	3739	0.1183777	1.2996415E-9	0.000127858	0.0533249	0.2548402	9.89825E-174	1.0000000
DD_direct	3739	4.9297256	2.2349360	4.4704119	7.0667611	4.2296659	-30.6489303	82.0274266
PD_direct	3739	0.0829294	7.929581E-13	3.9034542E-6	0.0127108	0.2104570	0	1.0000000
DD_naive	3739	4.6153398	2.1963240	4.2128515	6.5140898	3.5414077	-9.2114674	26.3285385
PD_naive	3739	0.0748597	3.656588E-11	0.000012608	0.0140344	0.1915508	4.52004E-153	1.0000000

YEAR=2003

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3501	3.9223719	1.4302676	3.5746753	5.9498500	3.6665018	-23.1451900	28.6379715
PD_iterative	3501	0.1291109	1.3419419E-9	0.000175331	0.0763201	0.2656243	1.1317E-180	1.0000000
DD_direct	3501	4.6033141	1.9159880	4.2610050	6.6910149	3.7994803	-12.2229596	28.7219532
PD_direct	3501	0.0978082	1.10814E-11	0.000010175	0.0276833	0.2311976	1.01491E-181	1.0000000
DD_naive	3501	4.3350650	1.8502520	4.0113521	6.2353518	3.5479386	-8.0812459	28.7216577
PD_naive	3501	0.0931272	2.25382E-10	0.000030186	0.0321386	0.2169185	1.02356E-181	1.0000000

YEAR=2004

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3237	6.8452896	3.8056876	6.4667651	9.1837051	4.7150727	-36.3903606	37.4322070
PD_iterative	3237	0.0442954	2.082541E-20	5.006154E-11	0.000070705	0.1642754	5.84963E-307	1.0000000
DD_direct	3237	8.3591695	5.1453877	7.8096834	10.8085683	5.0820929	-12.9008896	63.4017931
PD_direct	3237	0.0214332	1.567625E-27	2.866591E-15	1.3348441E-7	0.1139109	0	1.0000000
DD_naive	3237	7.7024877	4.8044550	7.2249571	9.7597814	4.5308846	-5.7048622	49.6653850
PD_naive	3237	0.0189821	8.375797E-23	2.5063E-13	7.7586812E-7	0.1007666	0	1.0000000

YEAR=2005

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3197	6.9189902	3.5923126	6.3834699	9.5987427	5.7842259	-112.2715891	54.5500441
PD_iterative	3197	0.0509946	4.046274E-22	8.655985E-11	0.000163878	0.1741577	0	1.0000000
DD_direct	3197	8.2811170	4.9044999	7.6283363	10.7342808	5.2103926	-27.1562720	55.0986025
PD_direct	3197	0.0208060	3.513196E-27	1.189013E-14	4.6832824E-7	0.1056369	0	1.0000000
DD_naive	3197	7.8060347	4.5530777	7.0218179	10.0077910	5.0206517	-7.5039731	55.0926829
PD_naive	3197	0.0201129	7.04313E-24	1.094999E-12	2.6433372E-6	0.0986639	0	1.0000000

YEAR=2006

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3149	6.8697187	3.4707865	6.2026522	9.5651871	5.8379116	-65.2642925	43.2634546
PD_iterative	3149	0.0554483	5.599934E-22	2.775972E-10	0.000259468	0.1897025	0	1.0000000
DD_direct	3149	7.9837297	4.5996864	7.1362869	10.4230502	5.8233812	-35.1794638	132.3706173
PD_direct	3149	0.0272088	9.73049E-26	4.794288E-13	2.1156373E-6	0.1333867	0	1.0000000
DD_naive	3149	7.6654190	4.3118651	6.7691139	10.0052397	5.3044998	-5.7883757	68.0831017
PD_naive	3149	0.0260027	7.227061E-24	6.478674E-12	8.0941611E-6	0.1247820	0	1.0000000

The MEANS Procedure

YEAR=2007

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3090	7.6238925	4.1121141	6.9511257	10.3374936	5.6707544	-52.9610442	42.3660285
PD_iterative	3090	0.0403334	2.384231E-25	1.811934E-12	0.000019603	0.1618597	0	1.0000000
DD_direct	3090	8.9292491	5.4715694	8.0495828	11.5195114	5.6668823	-15.7363253	94.3268915
PD_direct	3090	0.0168415	5.260295E-31	4.154358E-16	2.2303379E-8	0.1035471	0	1.0000000
DD_naive	3090	8.4609790	5.0423553	7.5489163	10.8140003	5.2308240	-5.3340505	44.2675710
PD_naive	3090	0.0158656	1.477483E-27	2.194517E-14	2.2991817E-7	0.0961628	0	1.0000000

YEAR=2008

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	3047	5.7608201	2.3107730	5.0422706	8.2172227	5.4062341	-57.5732073	45.5273903
PD_iterative	3047	0.0832649	1.041351E-16	2.3002002E-7	0.0104227	0.2232732	0	1.0000000
DD_direct	3047	6.5582756	3.1532732	5.7276960	8.8931033	5.3699764	-23.5356092	79.8581330
PD_direct	3047	0.0537664	2.971276E-19	5.09019E-9	0.000807253	0.1824469	0	1.0000000
DD_naive	3047	6.4098541	2.8915758	5.4545147	8.6438588	5.2529581	-8.0823138	79.8333905
PD_naive	3047	0.0529726	2.717285E-18	2.4553386E-8	0.0019166	0.1743004	0	1.0000000

YEAR=2009

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2902	2.0015136	0.1324273	1.6333168	3.3711693	4.1170156	-122.6745606	36.2851221
PD_iterative	2902	0.2454887	0.000374249	0.0512014	0.4473232	0.3282608	1.38869E-288	1.0000000
DD_direct	2902	2.2687481	0.3787383	1.7889829	3.4731159	3.0860572	-20.2858220	44.6422453
PD_direct	2902	0.2129768	0.000257227	0.0368088	0.3524411	0.3015500	0	1.0000000
DD_naive	2902	2.2373635	0.3737897	1.7171847	3.3751322	2.9891663	-7.9270993	38.8507545
PD_naive	2902	0.2100924	0.000368901	0.0429728	0.3542804	0.2918703	0	1.0000000

YEAR=2010

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2710	3.9791665	1.2643025	3.4895756	6.2294721	4.5585030	-97.7180790	32.4380789
PD_iterative	2710	0.1477817	2.340047E-10	0.000241896	0.1030607	0.2879986	3.98866E-231	1.0000000
DD_direct	2710	4.7036992	1.9249600	3.9832382	6.6625737	4.7169453	-9.3552086	78.0633126
PD_direct	2710	0.1015975	1.345366E-11	0.000033992	0.0271172	0.2367983	0	1.0000000
DD_naive	2710	4.6421188	1.9014899	3.8622496	6.4441915	4.6411178	-8.9078780	81.0463561
PD_naive	2710	0.0907183	5.810913E-11	0.000056175	0.0286189	0.2158394	0	1.0000000

YEAR=2011

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2599	6.2405449	3.0592631	5.6370792	8.6339827	5.5627991	-101.9474795	39.3498715
PD_iterative	2599	0.0728896	2.962597E-18	8.6479304E-9	0.0011094	0.2111827	0	1.0000000
DD_direct	2599	7.3074263	4.1476173	6.4774302	9.4290731	5.3966621	-28.0190981	99.0635882
PD_direct	2599	0.0371307	2.068644E-21	4.664897E-11	0.000016798	0.1545871	0	1.0000000
DD_naive	2599	6.8850391	3.8256443	6.0046967	8.8756870	4.8880208	-4.8631832	40.5147075
PD_naive	2599	0.0362440	3.475151E-19	9.584497E-10	0.000065215	0.1468310	0	0.9999994

YEAR=2012

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2484	4.5466664	2.0581998	4.1902264	6.8577458	8.3444638	-255.5427922	32.9148921
PD_iterative	2484	0.0958249	3.498418E-12	0.000013938	0.0197855	0.2388582	6.72887E-238	1.0000000
DD_direct	2484	5.3163559	2.5916775	4.7408502	7.3305312	4.6613946	-68.7033842	40.4948834
PD_direct	2484	0.0624030	1.146452E-13	1.06418E-6	0.0047755	0.1929641	0	1.0000000
DD_naive	2484	5.1380287	2.3969329	4.4751421	7.0422856	4.2665394	-8.1037613	38.4672986
PD_naive	2484	0.0639246	9.455848E-13	3.8183086E-6	0.0082665	0.1890115	0	1.0000000

The MEANS Procedure

YEAR=2013

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2488	7.3287805	3.7176490	6.5679642	10.0621097	5.6017346	-57.0885745	50.0779528
PD_iterative	2488	0.0492298	4.069966E-24	2.550402E-11	0.000100543	0.1727939	0	1.0000000
DD_direct	2488	8.6896835	4.9957495	7.7919320	11.3175842	6.9927540	-7.3128766	188.4868913
PD_direct	2488	0.0261346	5.402221E-30	3.306146E-15	2.9310112E-7	0.1255848	0	1.0000000
DD_naive	2488	8.0158500	4.5802587	7.0441390	10.5372640	5.4412368	-5.0778852	62.4768755
PD_naive	2488	0.0257971	2.908337E-26	9.333846E-13	2.3221154E-6	0.1197173	0	0.9999998

YEAR=2014

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2504	8.8863550	4.9308306	8.2842418	11.9672994	6.6149677	-116.3997170	50.1035134
PD_iterative	2504	0.0328761	2.649855E-33	5.951248E-17	4.0980967E-7	0.1451203	0	1.0000000
DD_direct	2504	10.2804362	6.5561954	9.7084971	12.9353701	5.8248261	-7.8434003	50.4322367
PD_direct	2504	0.0145714	1.421379E-38	1.388845E-22	2.75998E-11	0.0963674	0	1.0000000
DD_naive	2504	9.6407802	5.9956672	8.8585241	12.0881067	5.7249656	-3.8642783	50.4292580
PD_naive	2504	0.0137163	6.106596E-34	4.055468E-19	1.0138572E-9	0.0875404	0	0.9999443

YEAR=2015

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	2609	7.6113695	3.7599587	6.8619903	10.8852955	6.2981283	-118.8943622	51.8279460
PD_iterative	2609	0.0444975	6.772927E-28	3.395383E-12	0.000084971	0.1602472	0	1.0000000
DD_direct	2609	8.9442150	5.1323517	8.1463558	12.0241849	5.6366098	-12.8382081	55.0096252
PD_direct	2609	0.0206983	1.325961E-33	1.875278E-16	1.4307211E-7	0.1102138	0	1.0000000
DD_naive	2609	8.3442631	4.6283958	7.4791827	11.2639304	5.4362040	-4.4766519	54.9770236
PD_naive	2609	0.0206921	9.886916E-30	3.739312E-14	1.8425464E-6	0.1054620	0	0.9999962

The CORR Procedure

2 Variables:	DD_naive PD_naive

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
DD_naive	150764	5.86892	5.32358	884822	-10.63801	784.23867
PD_naive	150764	0.06099	0.17612	9194	0	1.00000

Pearson Correlation Coefficients, N = 150764 Prob > |r| under H0: Rho=0		
	DD_naive	PD_naive
DD_naive	1.00000	-0.40831 <.0001
PD_naive	-0.40831 <.0001	1.00000

The CORR Procedure

2 Variables:	DD_direct PD_direct

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
DD_direct	150764	6.18854	10.80480	933009	-68.70338	3511
PD_direct	150764	0.06709	0.19342	10114	0	1.00000

Pearson Correlation Coefficients, N = 150764 Prob > |r| under H0: Rho=0		
	DD_direct	PD_direct
DD_direct	1.00000	-0.22913 <.0001
PD_direct	-0.22913 <.0001	1.00000

The CORR Procedure

2 Variables:	DD_iterative PD_iterative

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
DD_iterative	150764	5.27050	5.79333	794602	-255.54279	907.87881
PD_iterative	150764	0.09577	0.22894	14438	0	1.00000

Pearson Correlation Coefficients, N = 150764 Prob > |r| under H0: Rho=0		
	DD_iterative	**PD_iterative**
DD_iterative	1.00000	-0.45080 <.0001
PD_iterative	-0.45080 <.0001	1.00000

The CORR Procedure

3 Variables:	DD_naive DD_direct DD_iterative

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
DD_naive	150764	5.86892	5.32358	884822	-10.63801	784.23867
DD_direct	150764	6.18854	10.80480	933009	-68.70338	3511
DD_iterative	150764	5.27050	5.79333	794602	-255.54279	907.87881

Pearson Correlation Coefficients, N = 150764 Prob > |r| under H0: Rho=0			
	DD_naive	**DD_direct**	**DD_iterative**
DD_naive	1.00000	0.52615 <.0001	0.88835 <.0001
DD_direct	0.52615 <.0001	1.00000	0.48747 <.0001
DD_iterative	0.88835 <.0001	0.48747 <.0001	1.00000

The CORR Procedure

3 Variables:	PD_naive PD_direct PD_iterative

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
PD_naive	150764	0.06099	0.17612	9194	0	1.00000
PD_direct	150764	0.06709	0.19342	10114	0	1.00000
PD_iterative	150764	0.09577	0.22894	14438	0	1.00000

Pearson Correlation Coefficients, N = 150764 Prob > |r| under H0: Rho=0			
	PD_naive	**PD_direct**	**PD_iterative**
PD_naive	1.00000	0.98808 <.0001	0.87391 <.0001
PD_direct	0.98808 <.0001	1.00000	0.88733 <.0001
PD_iterative	0.87391 <.0001	0.88733 <.0001	1.00000

DD Naive Method mean p25 p50 and p75, 1970 to 2015
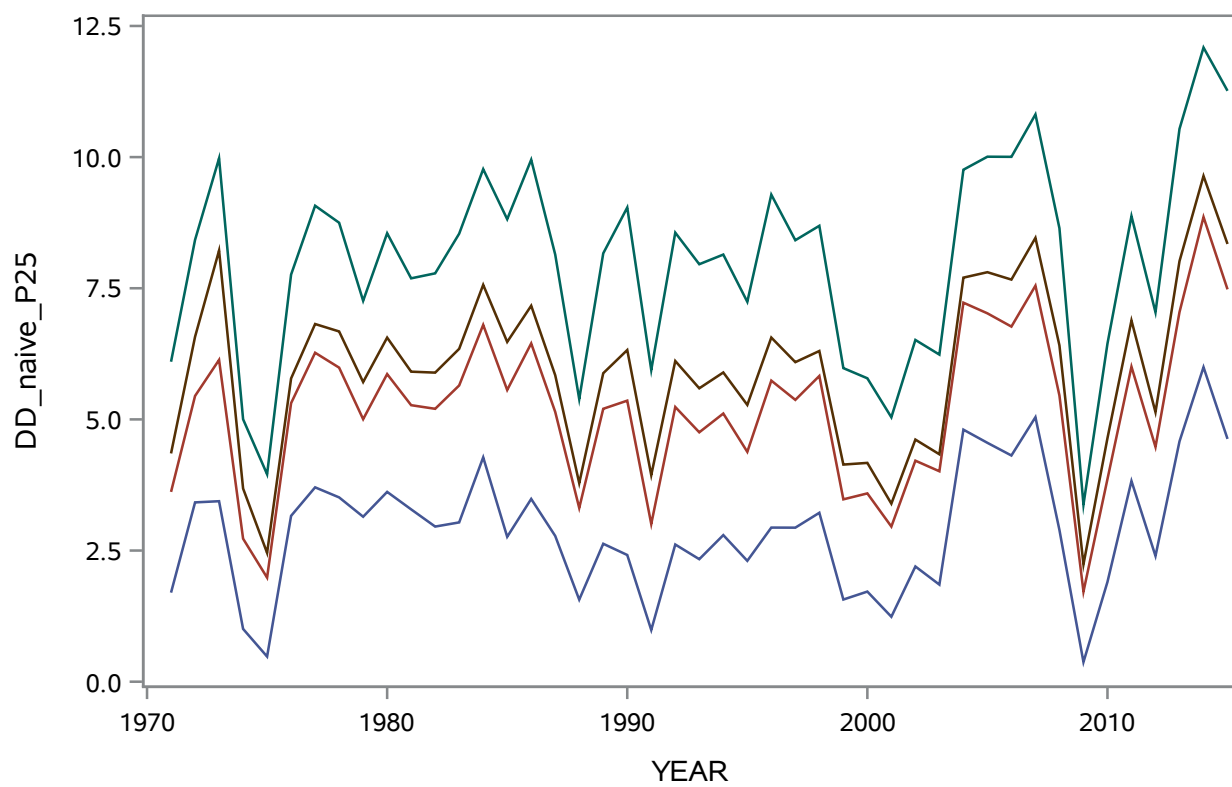
DD Direct Method mean p25 p50 and p75, 1970 to 2015
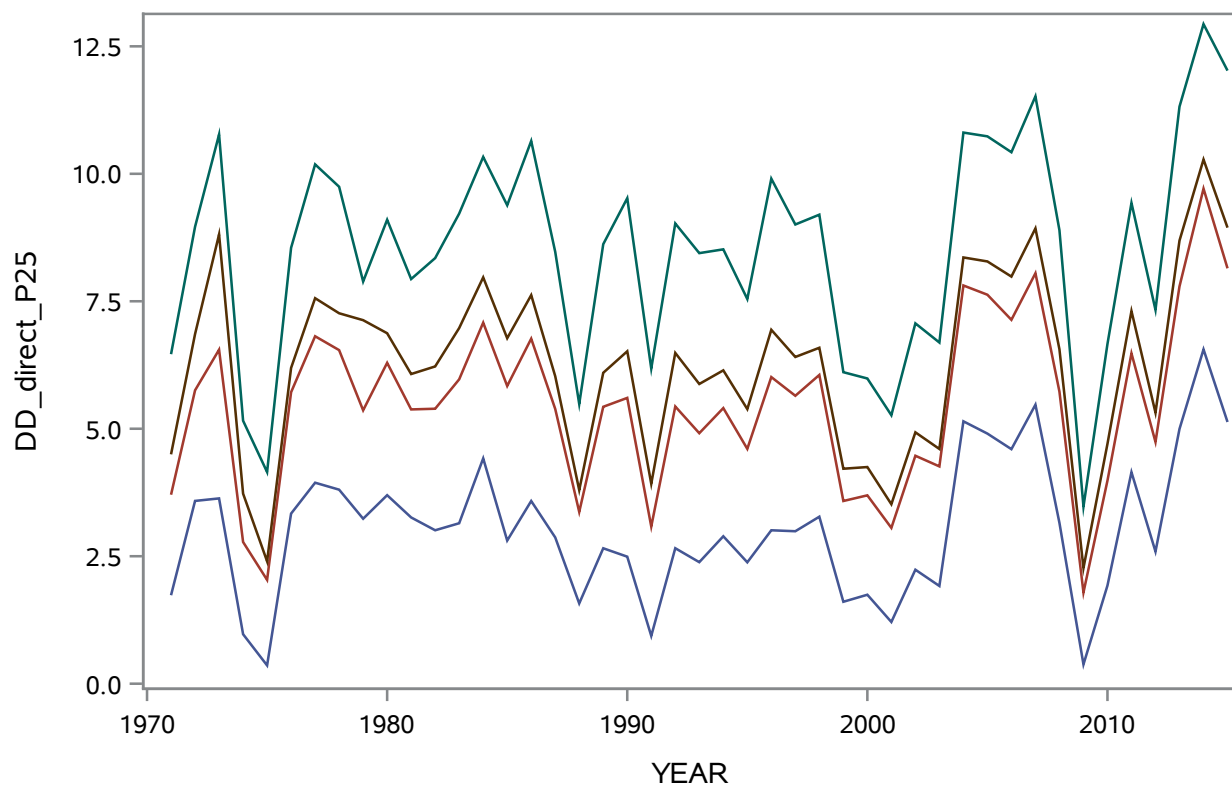
DD Iterative Method mean p25 p50 and p75, 1970 to 2015

DD Mean Comparison

PD Mean Comparison
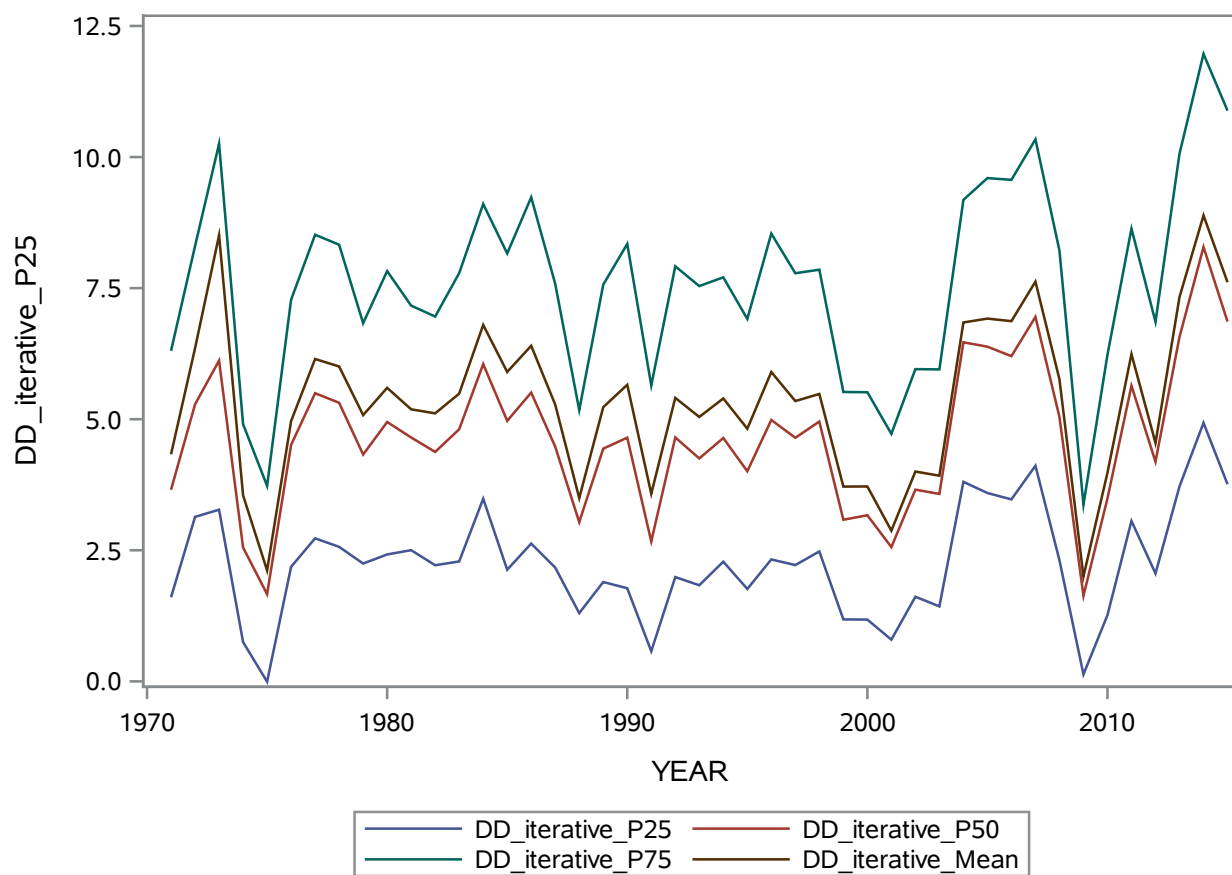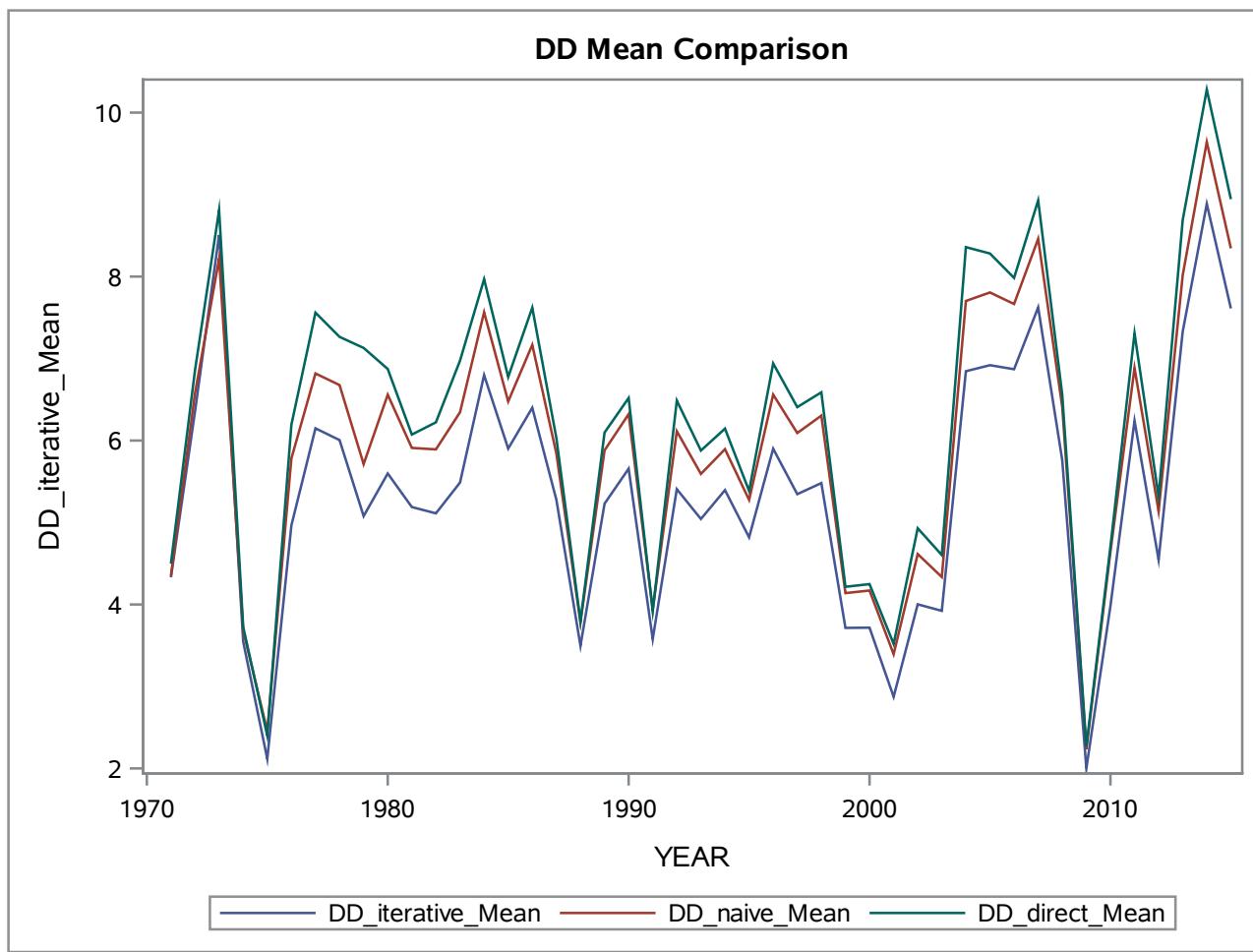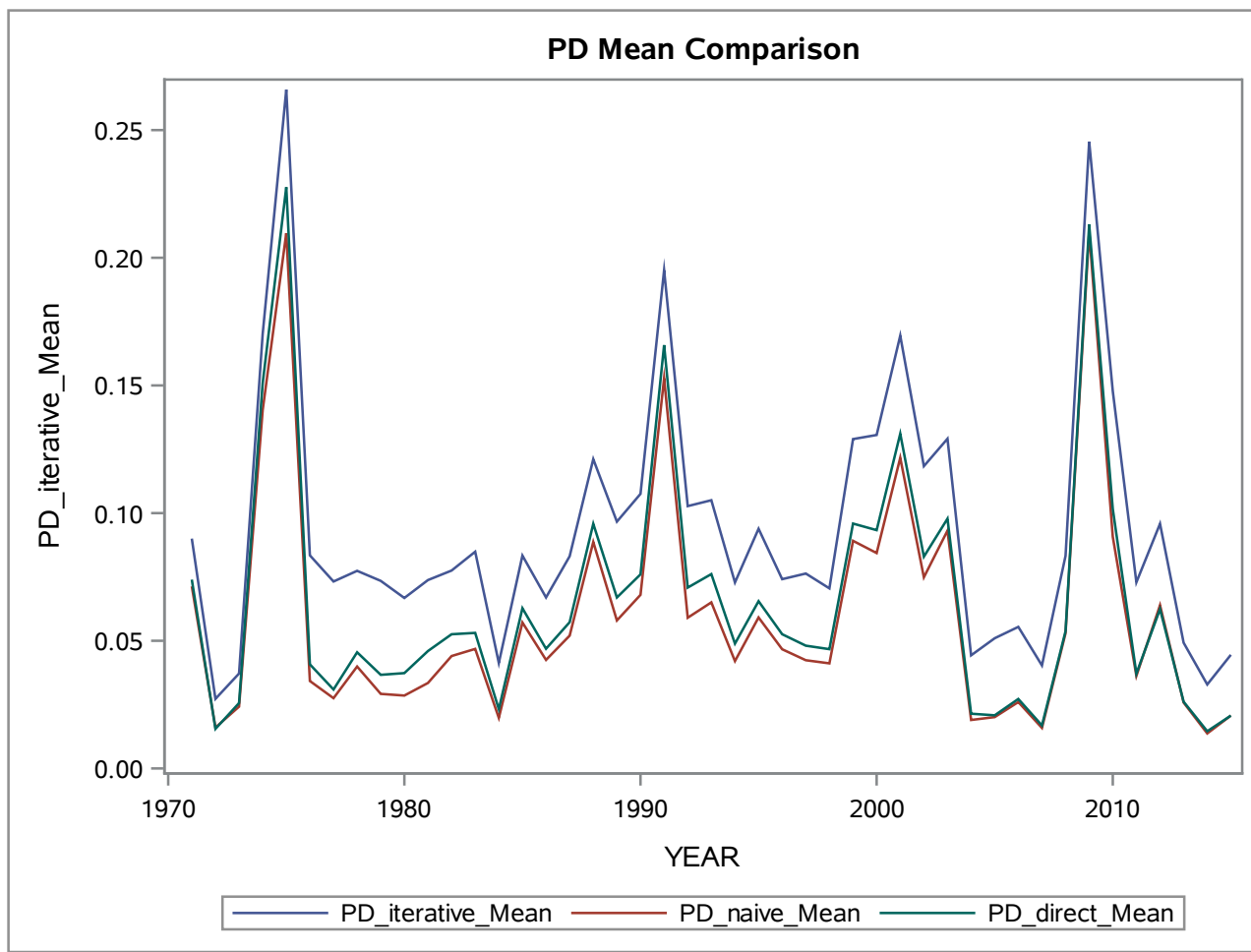
The MEANS Procedure

USREC=0

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	131432	5.4401850	2.1087616	4.6448645	7.7978206	5.3771111	-255.5427922	281.6464192
PD_iterative	131432	0.0899864	3.149275E-15	1.7014988E-6	0.0174826	0.2225999	0	1.0000000
DD_direct	131432	6.3862446	2.8323810	5.5227165	8.8442984	11.1731161	-68.7033842	3510.66
PD_direct	131432	0.0614453	4.605261E-19	1.6689908E-8	0.0023101	0.1853670	0	1.0000000
DD_naive	131432	6.0444946	2.7324945	5.2320962	8.3080460	4.9788073	-10.6380085	220.5357063
PD_naive	131432	0.0554754	4.864541E-17	8.3799247E-8	0.0031428	0.1676541	0	1.0000000

USREC=1

Variable	N	Mean	25th Pctl	50th Pctl	75th Pctl	Std Dev	Minimum	Maximum
DD_iterative	19332	4.1168743	1.2375453	3.3201997	6.0307675	7.9780210	-122.6745606	907.8788144
PD_iterative	19332	0.1350695	8.159142E-10	0.000449765	0.1079424	0.2647591	0	1.0000000
DD_direct	19332	4.8443905	1.7288475	3.9815485	6.9556908	7.7227417	-50.7698755	845.1312400
PD_direct	19332	0.1054452	1.754203E-12	0.000034234	0.0419182	0.2376197	0	1.0000000
DD_naive	19332	4.6752308	1.7031887	3.8390699	6.5879641	7.1313999	-8.2611545	784.2386711
PD_naive	19332	0.0984496	2.229492E-11	0.000061751	0.0442664	0.2217884	0	1.0000000

DD_naive per year with USREC data, 1970 to 2015
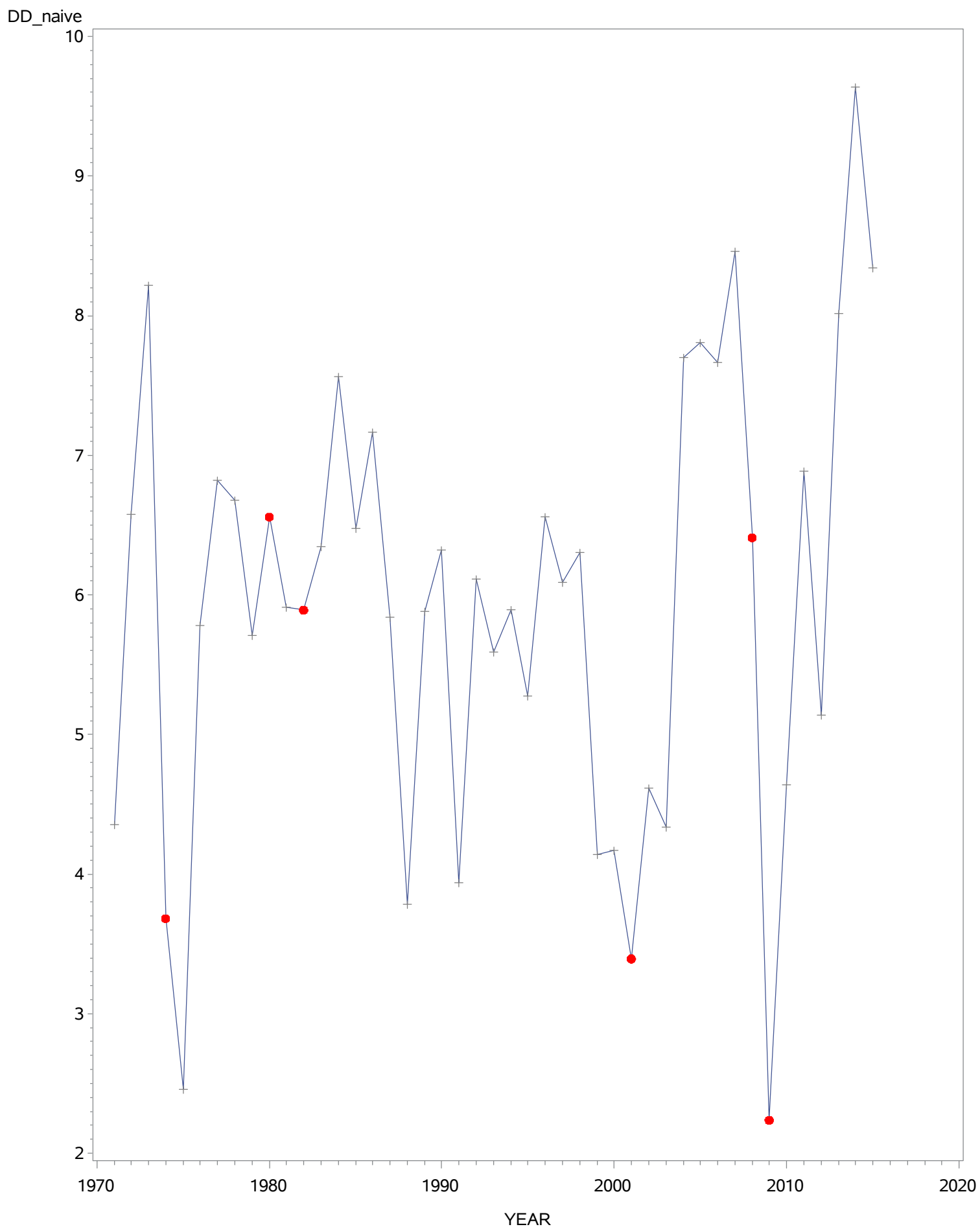
PD_naive per year with USREC data, 1970 to 2015
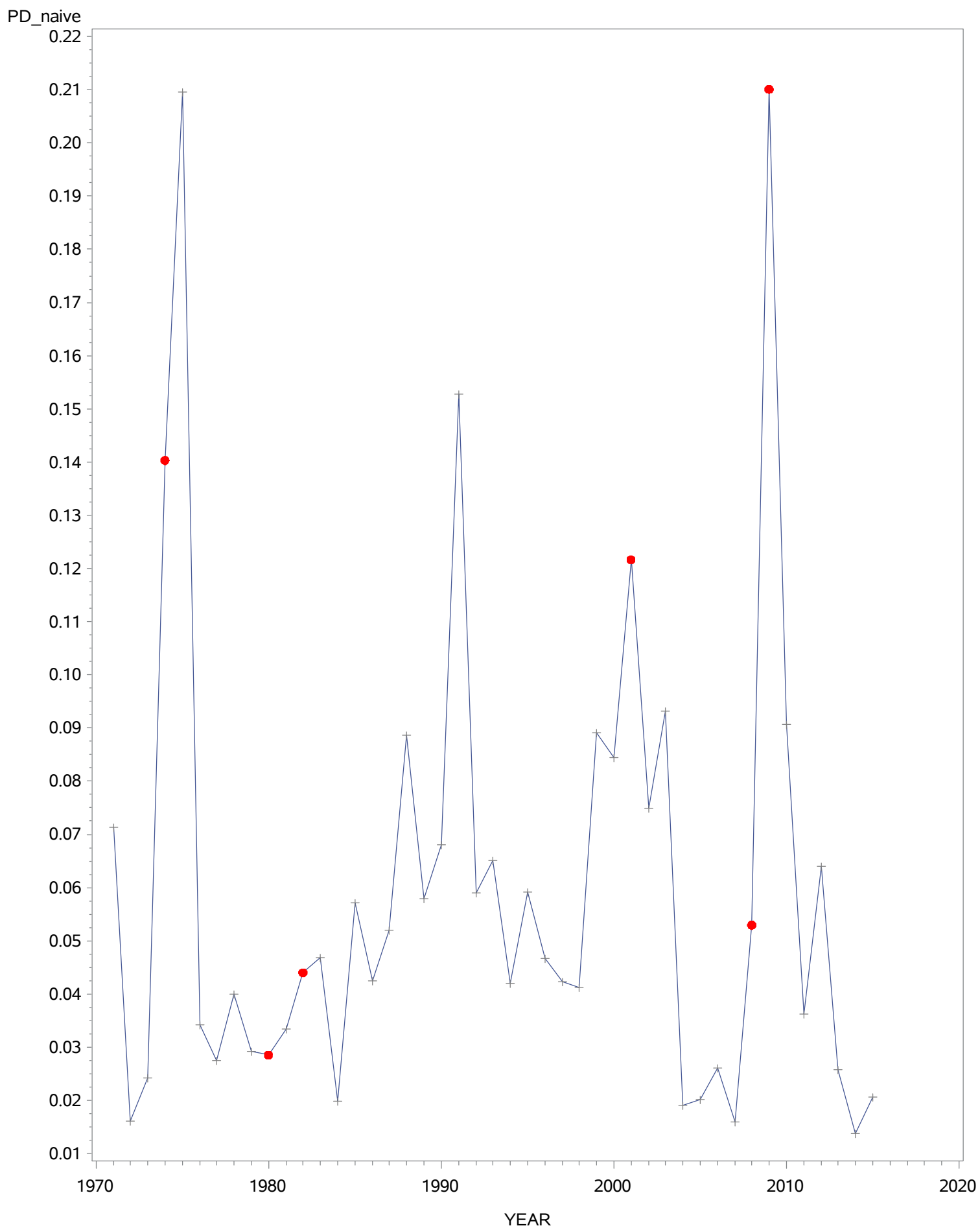
DD_direct per year with USREC data, 1970 to 2015
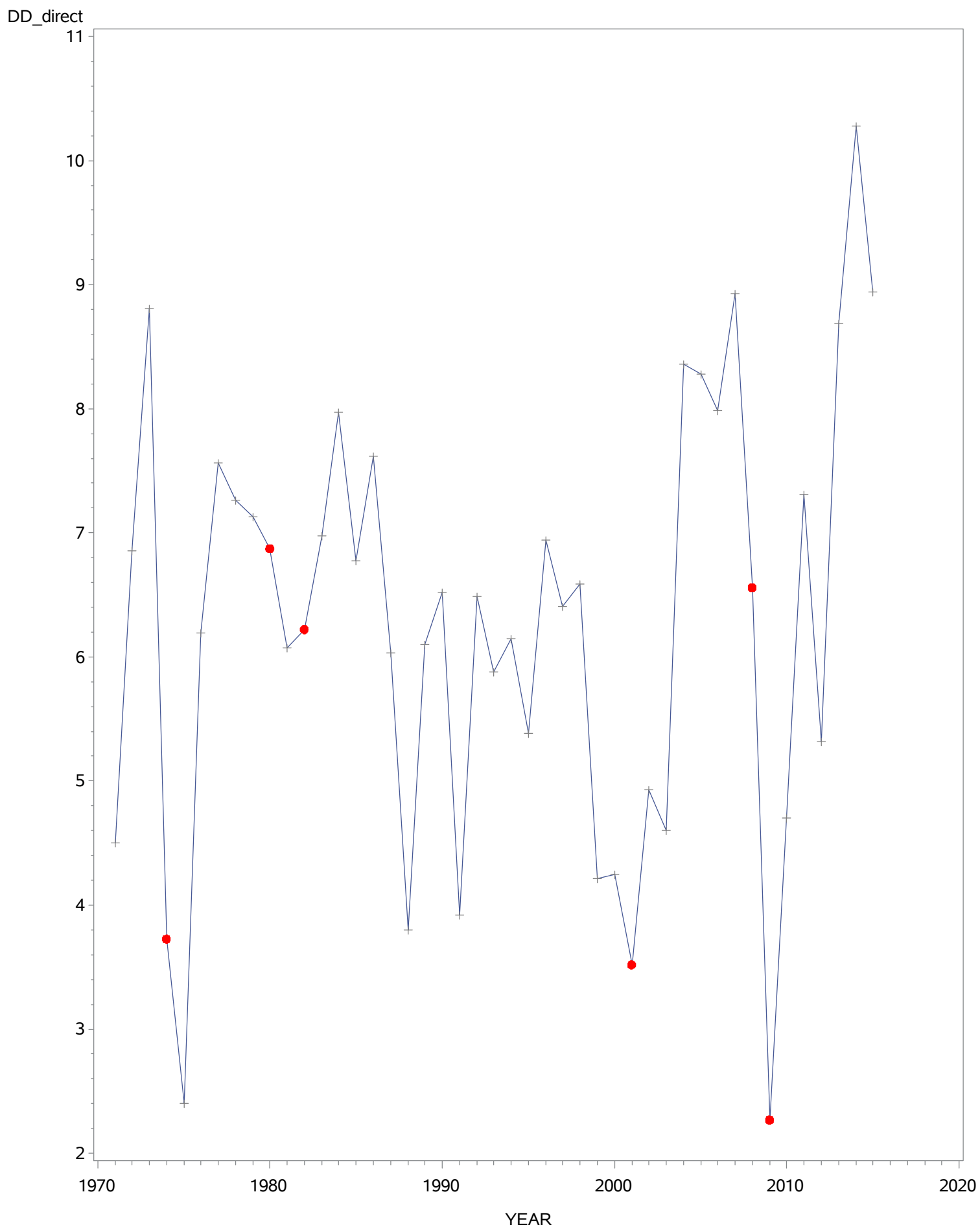
PD_direct per year with USREC data, 1970 to 2015
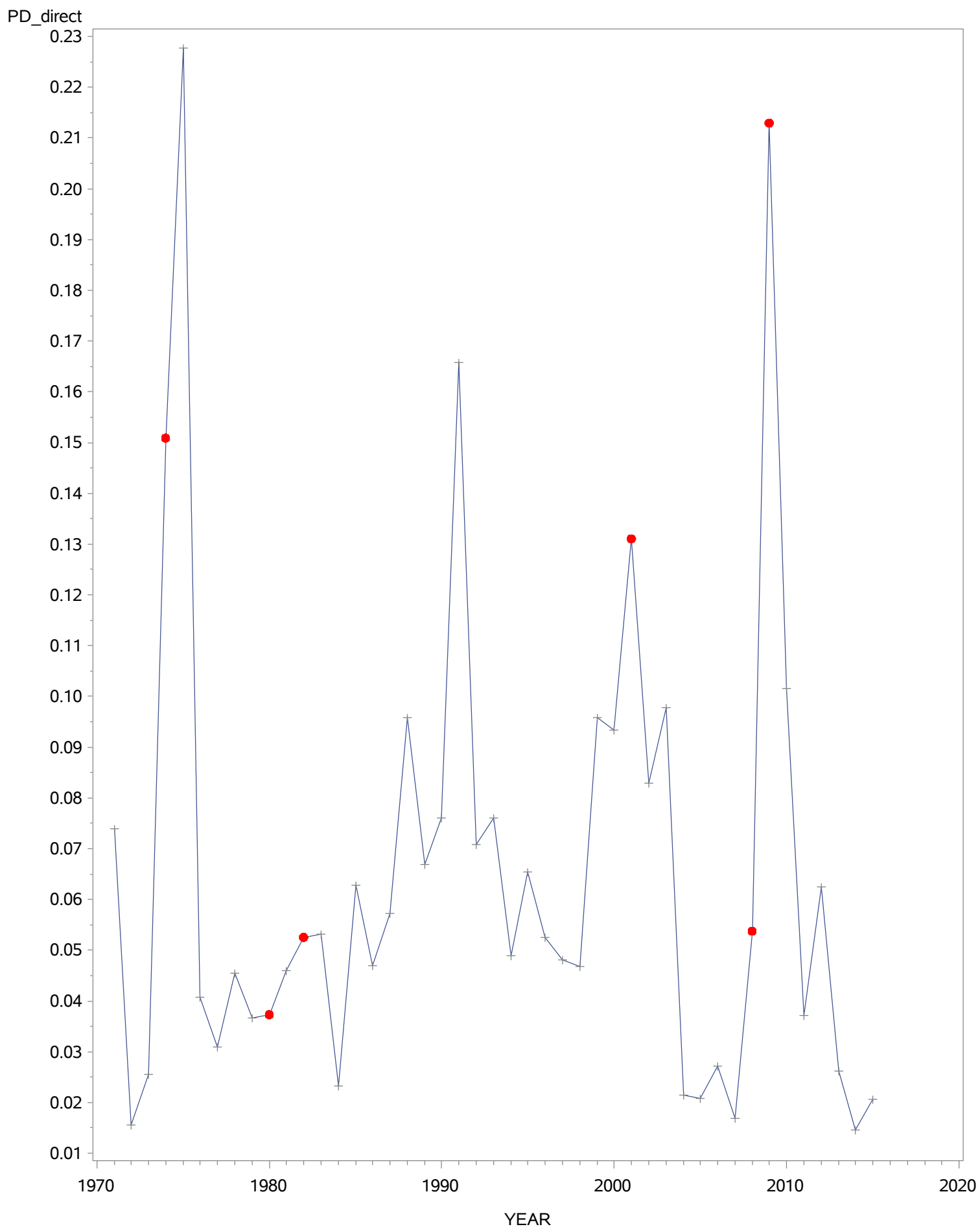
DD_iterative per year with USREC data, 1970 to 2015
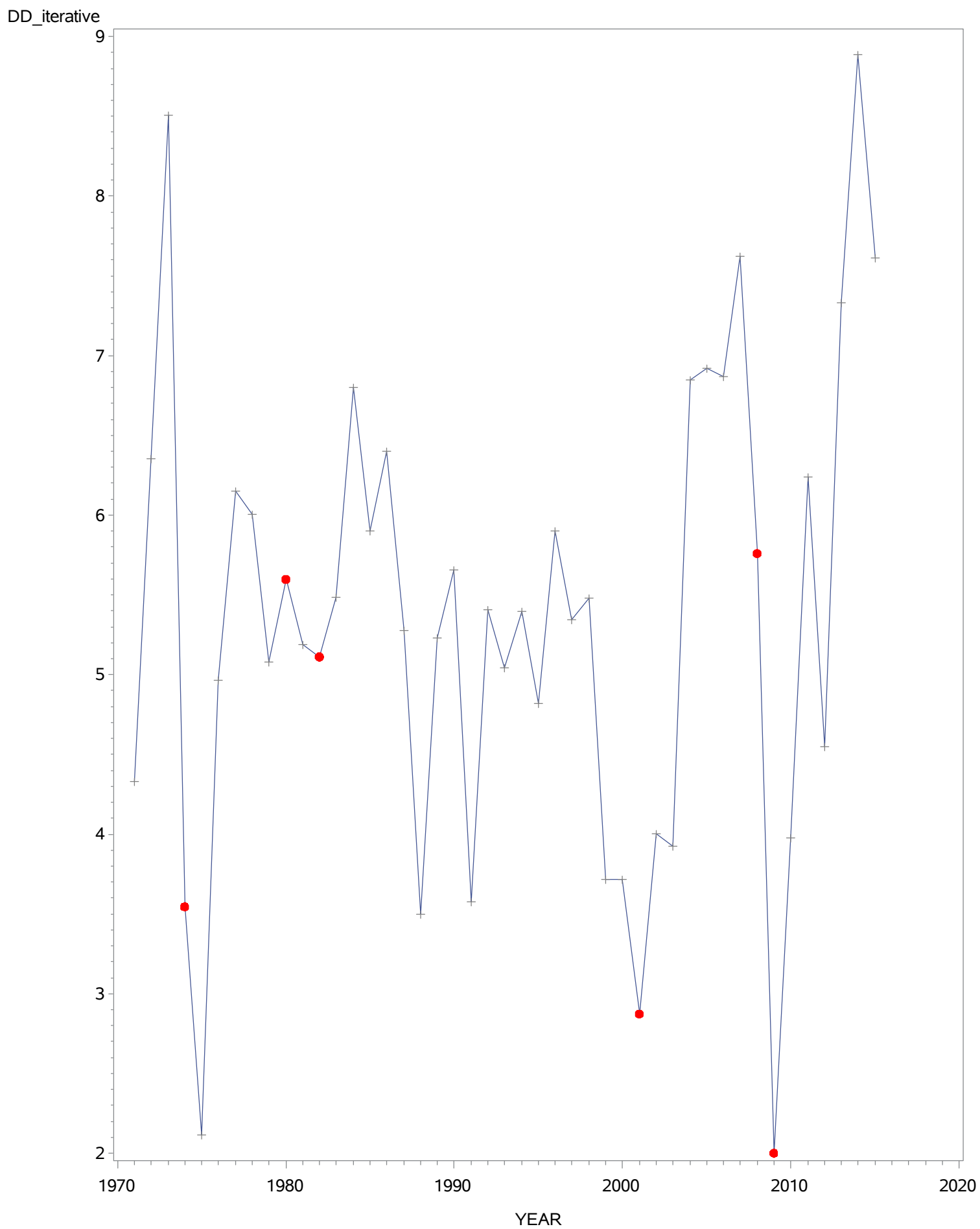
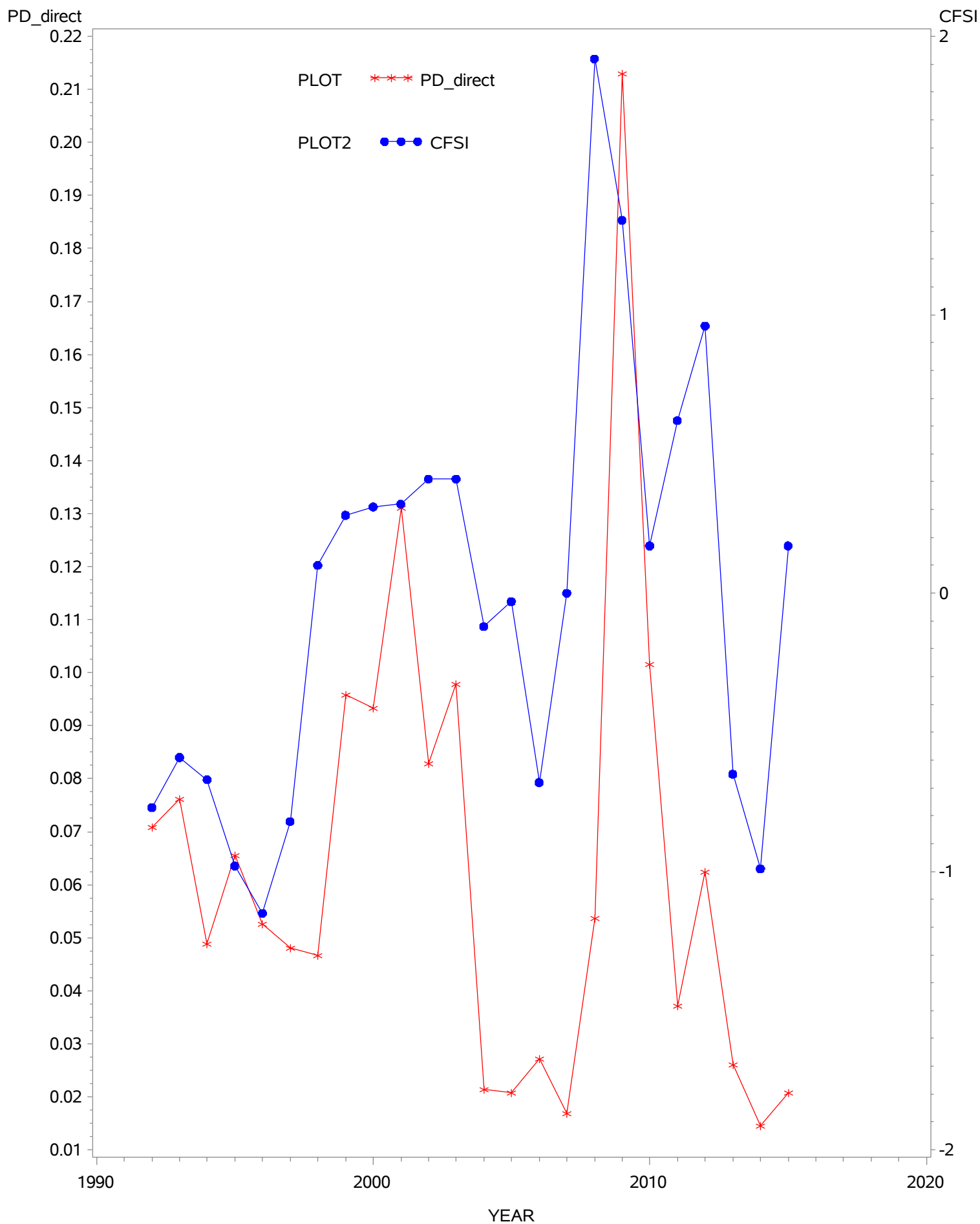PD_iterative per year with USREC data, 1970 to 2015
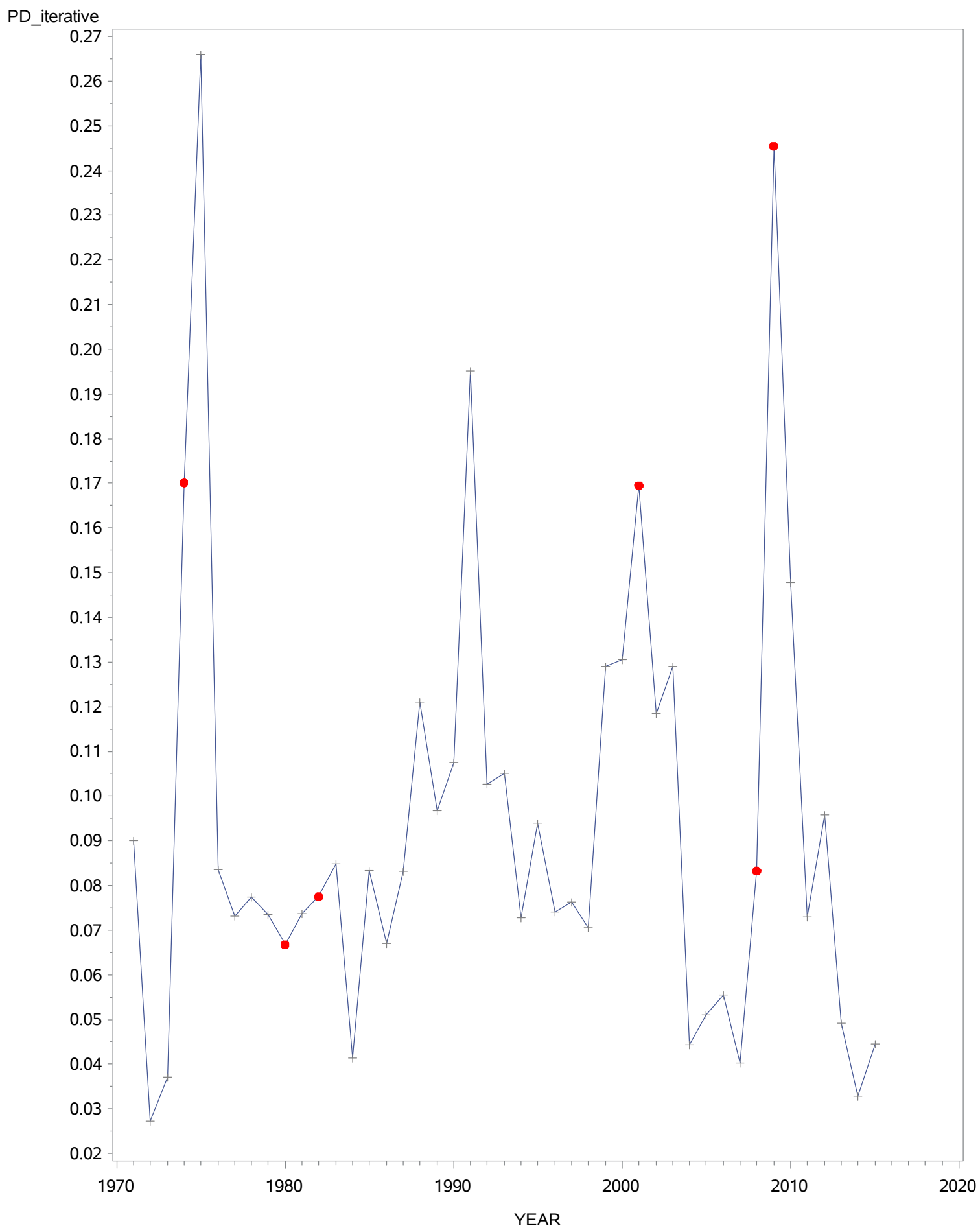
Stress Index and DD_naive per year
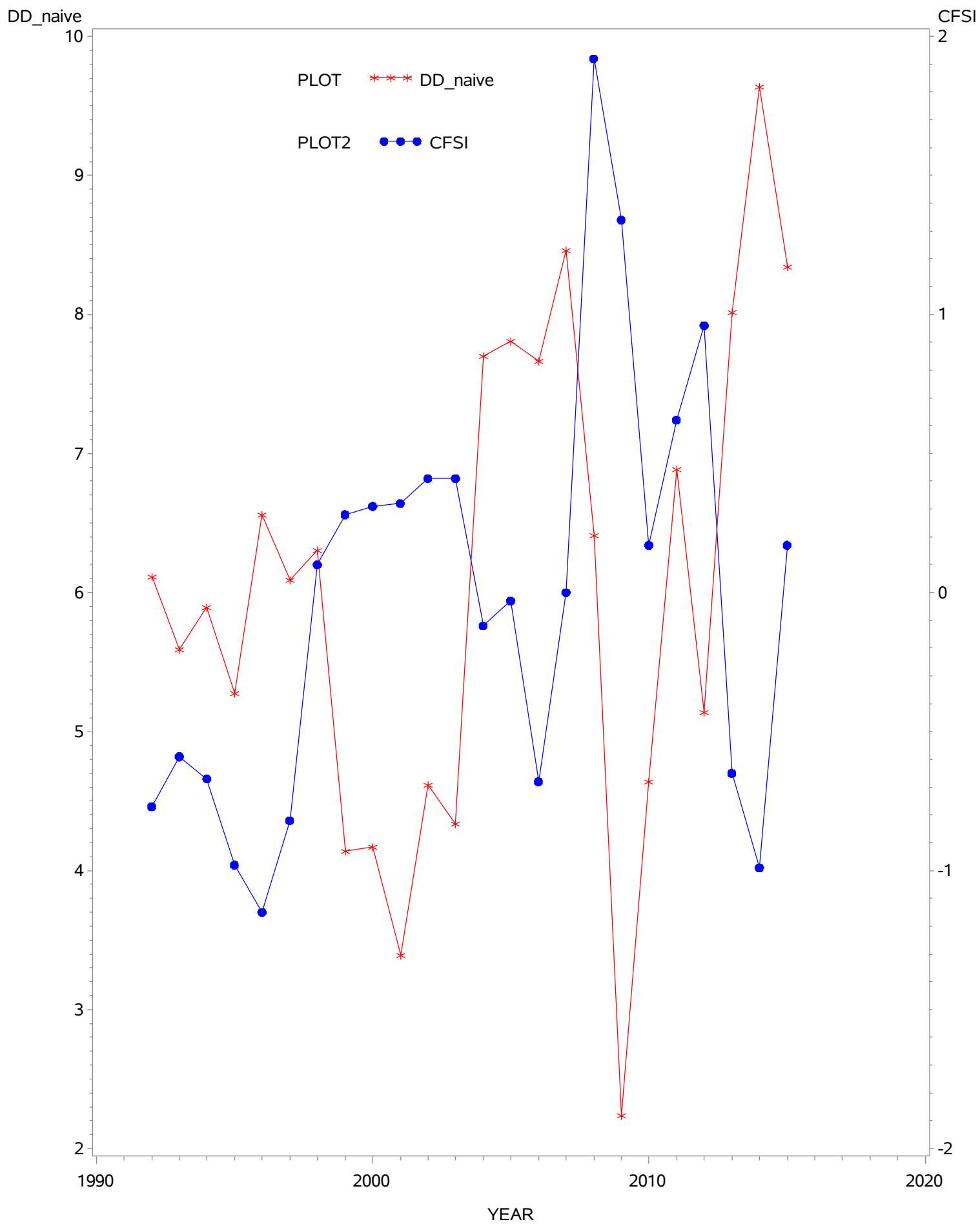
Stress Index and PD_naive per year
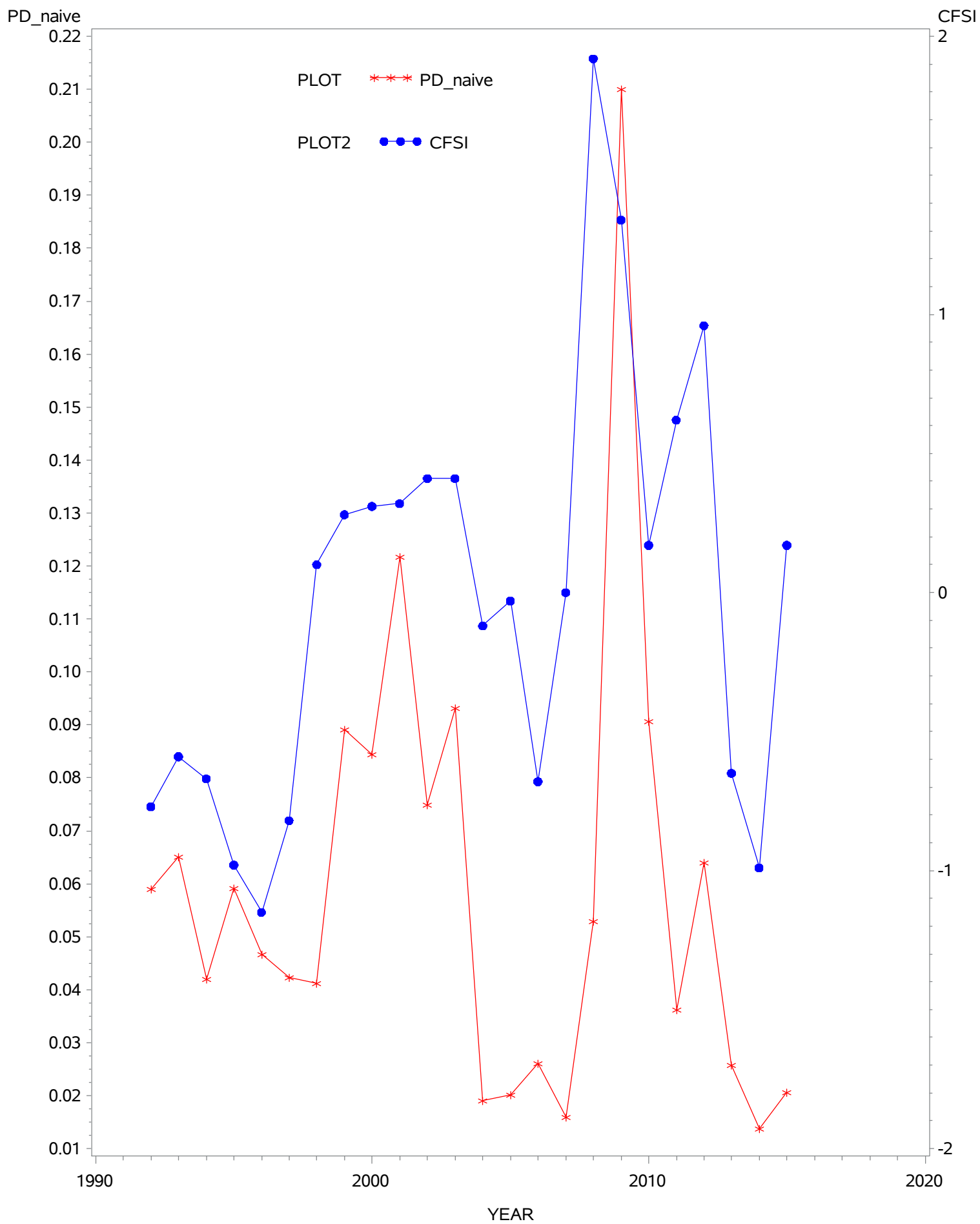
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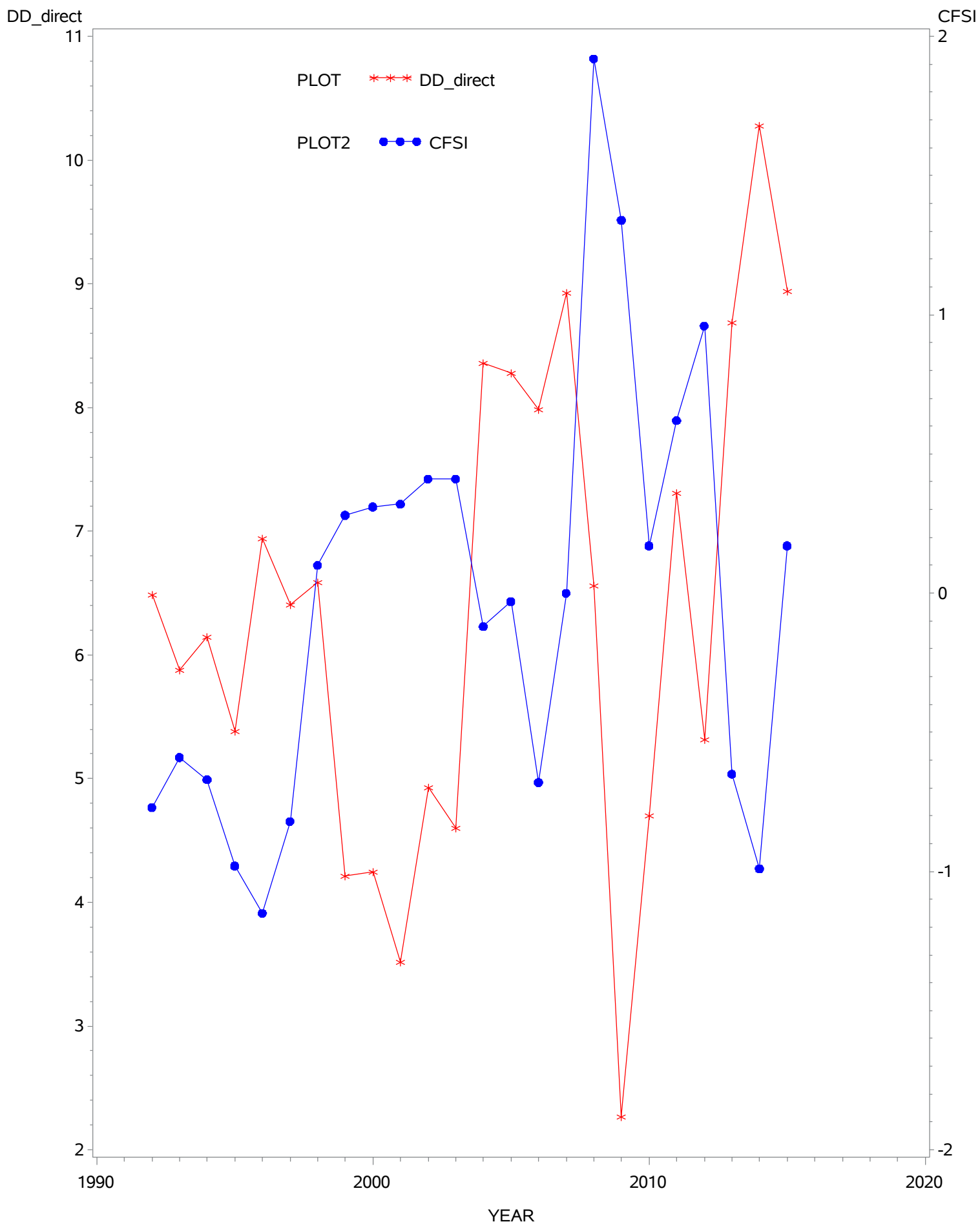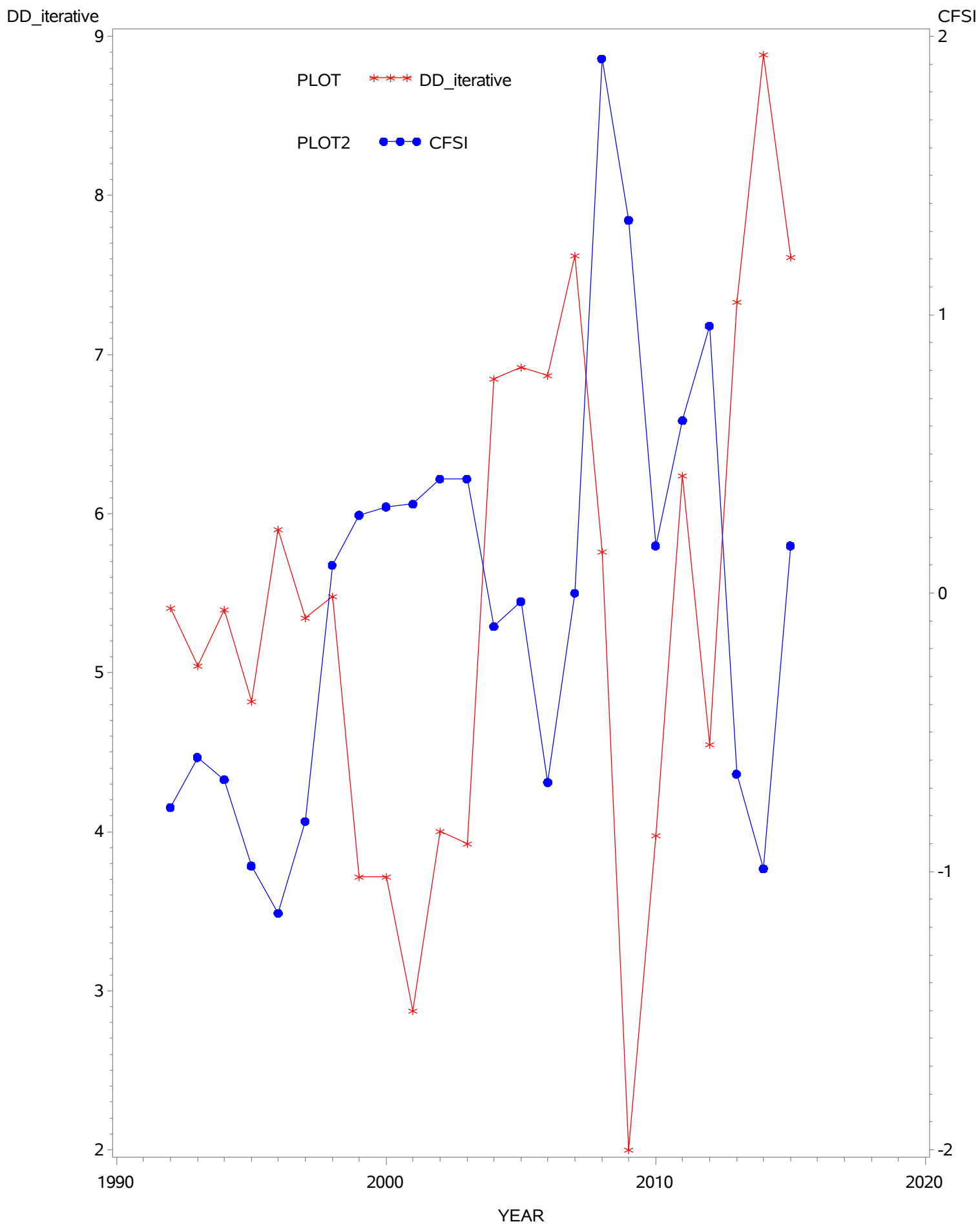
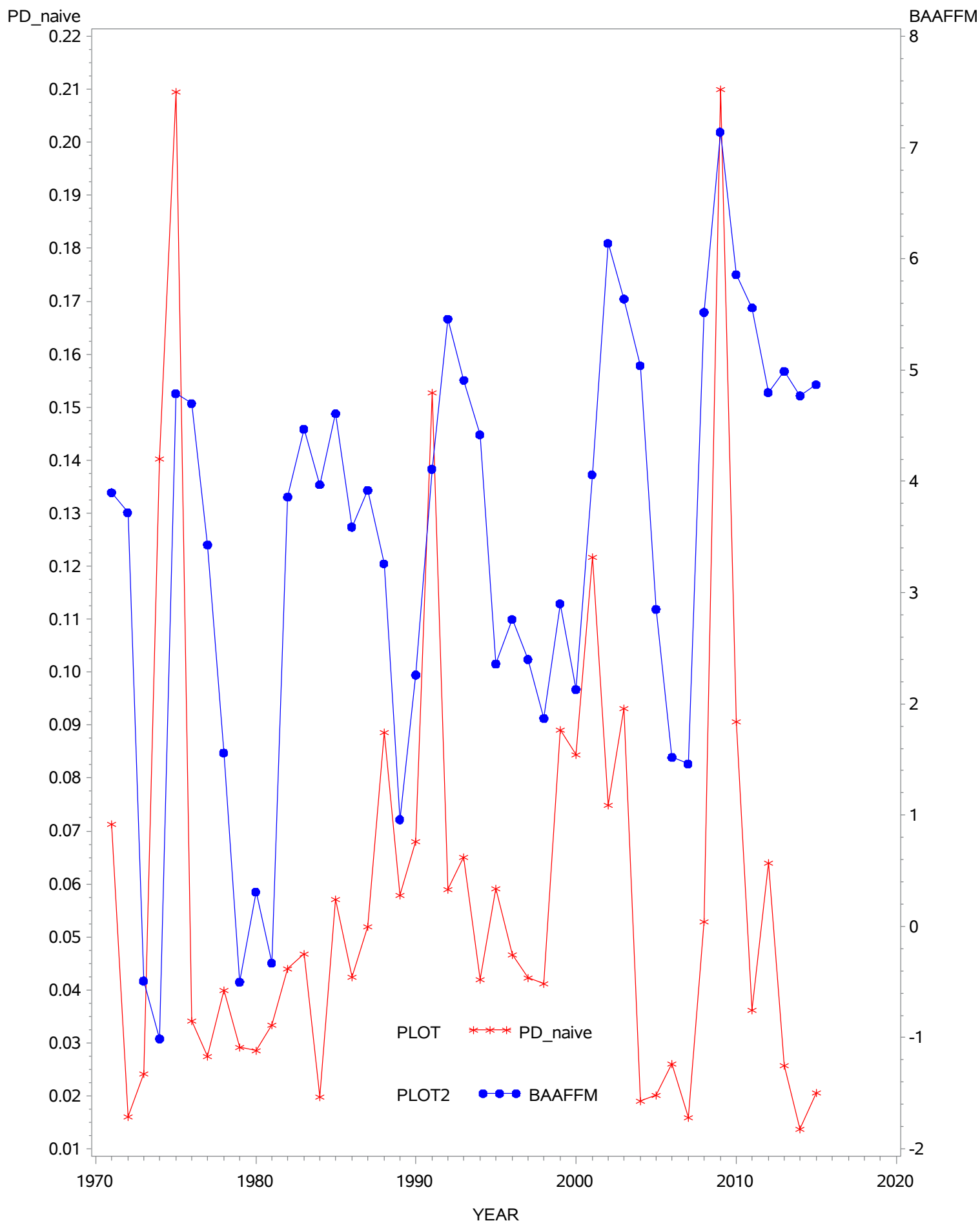Stress Index and PD_direct per year

Stress Index and DD_iterative per year

Stress Index and PD_iterative per year
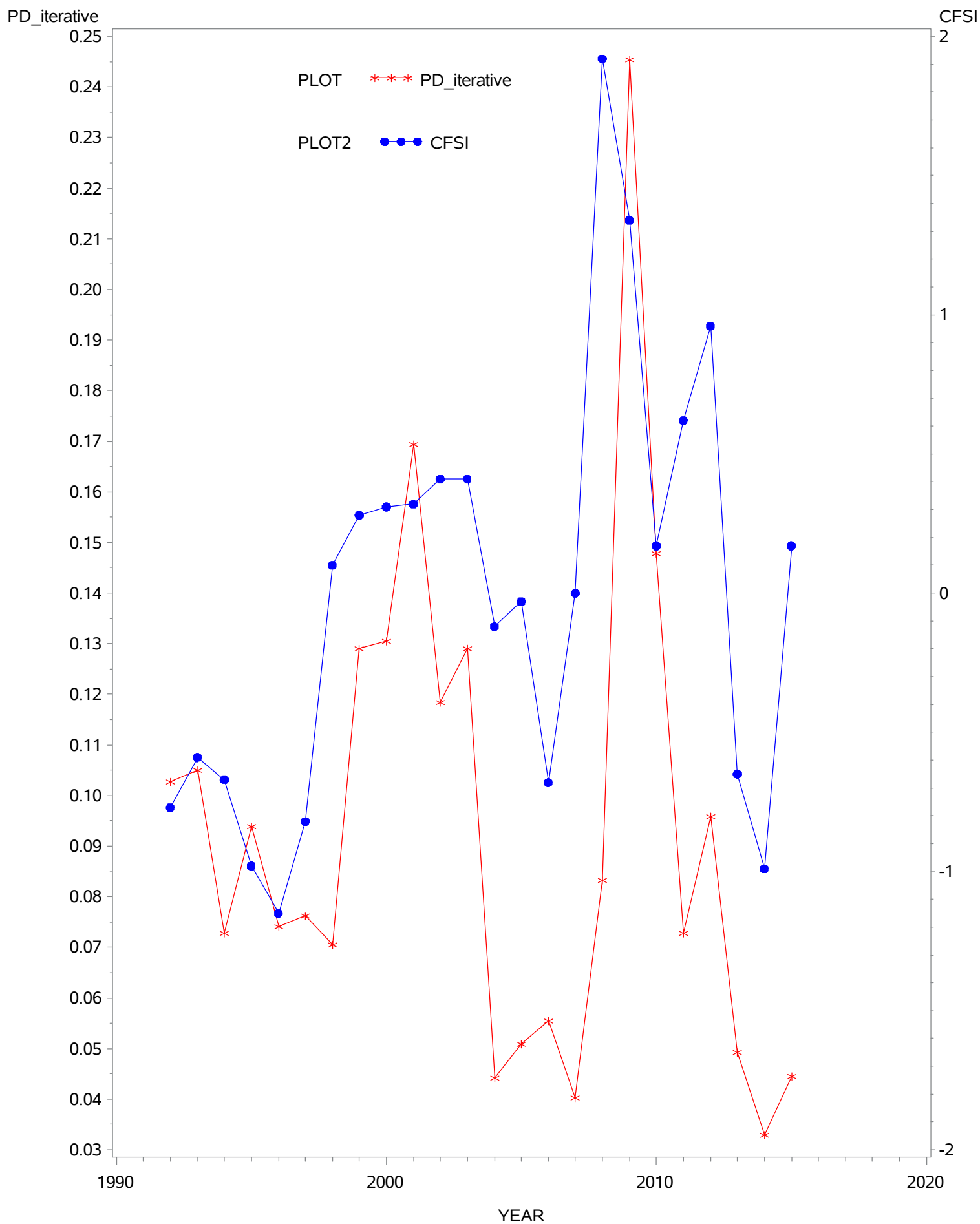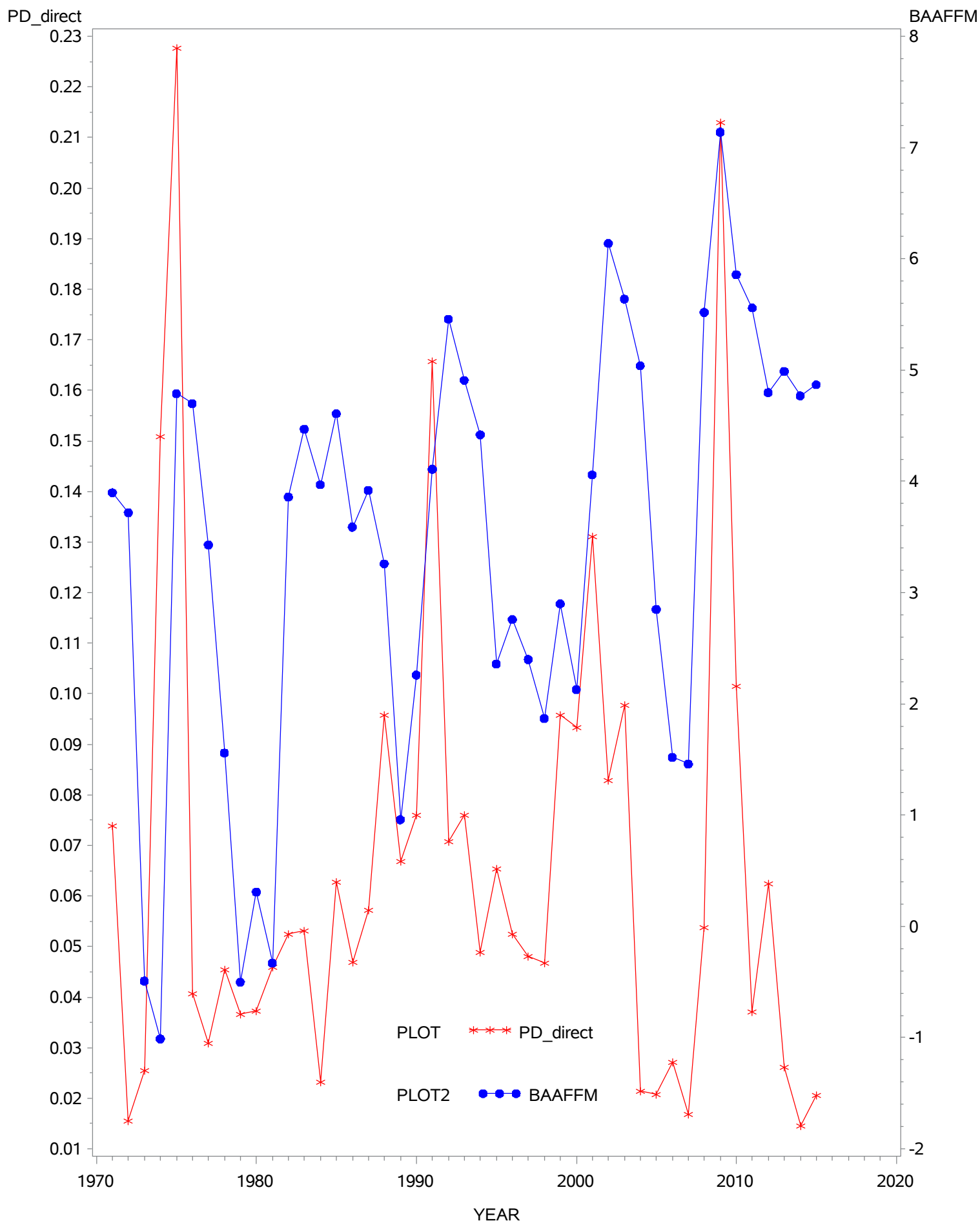
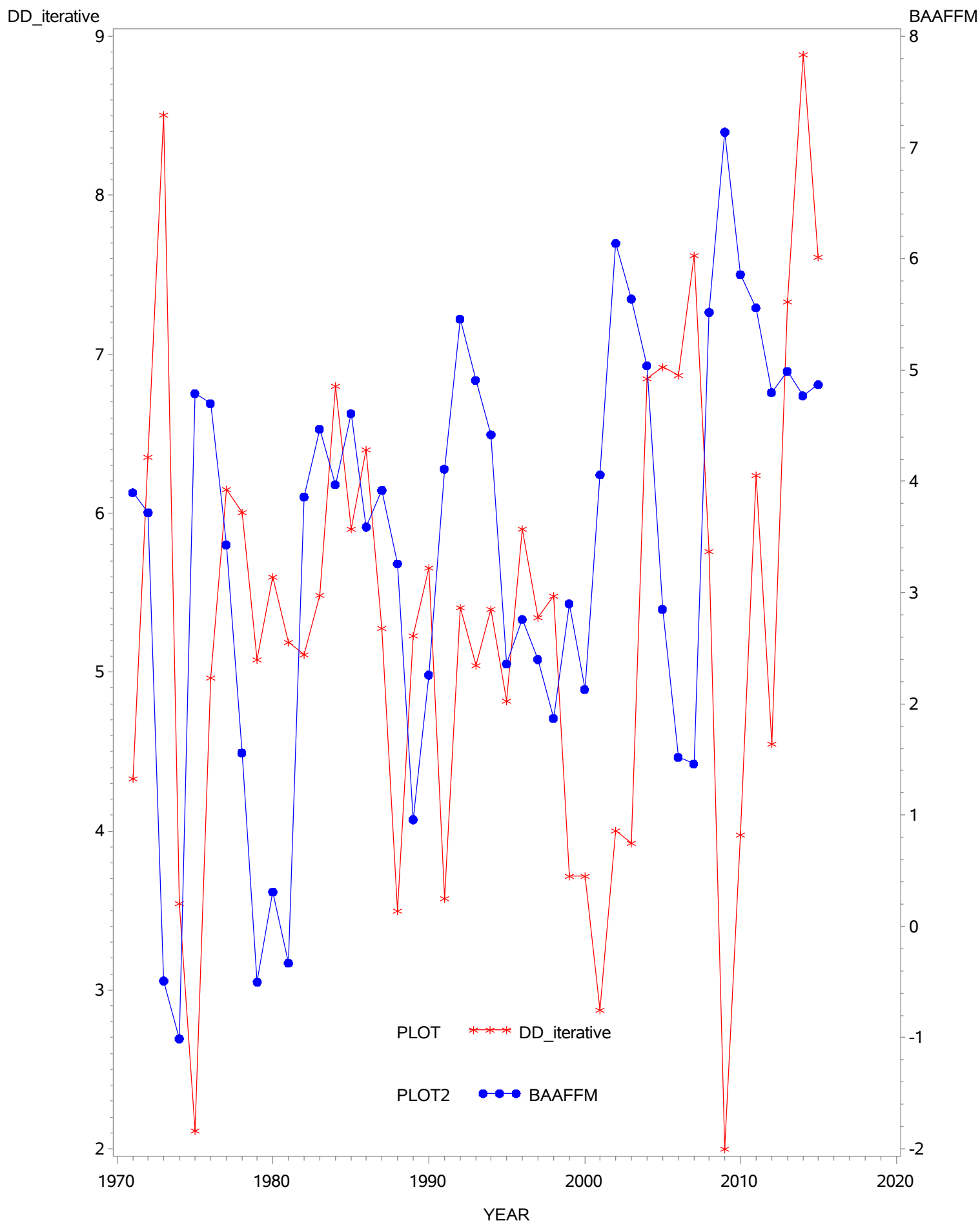Baa and DD_naive per year, 1970 to 2015
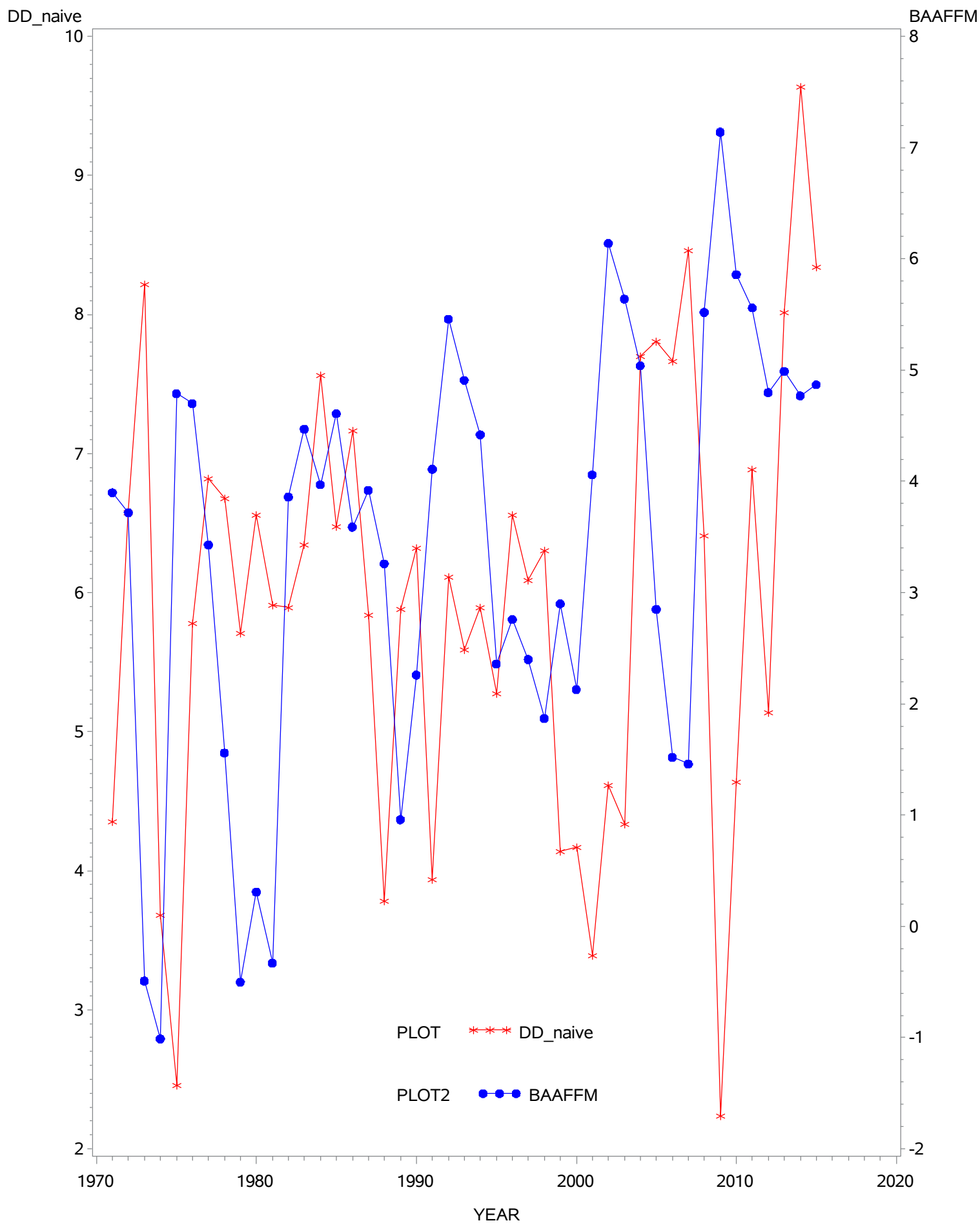
Baa and PD_naive per year, 1970 to 2015

Baa and DD_direct per year, 1970 to 2015
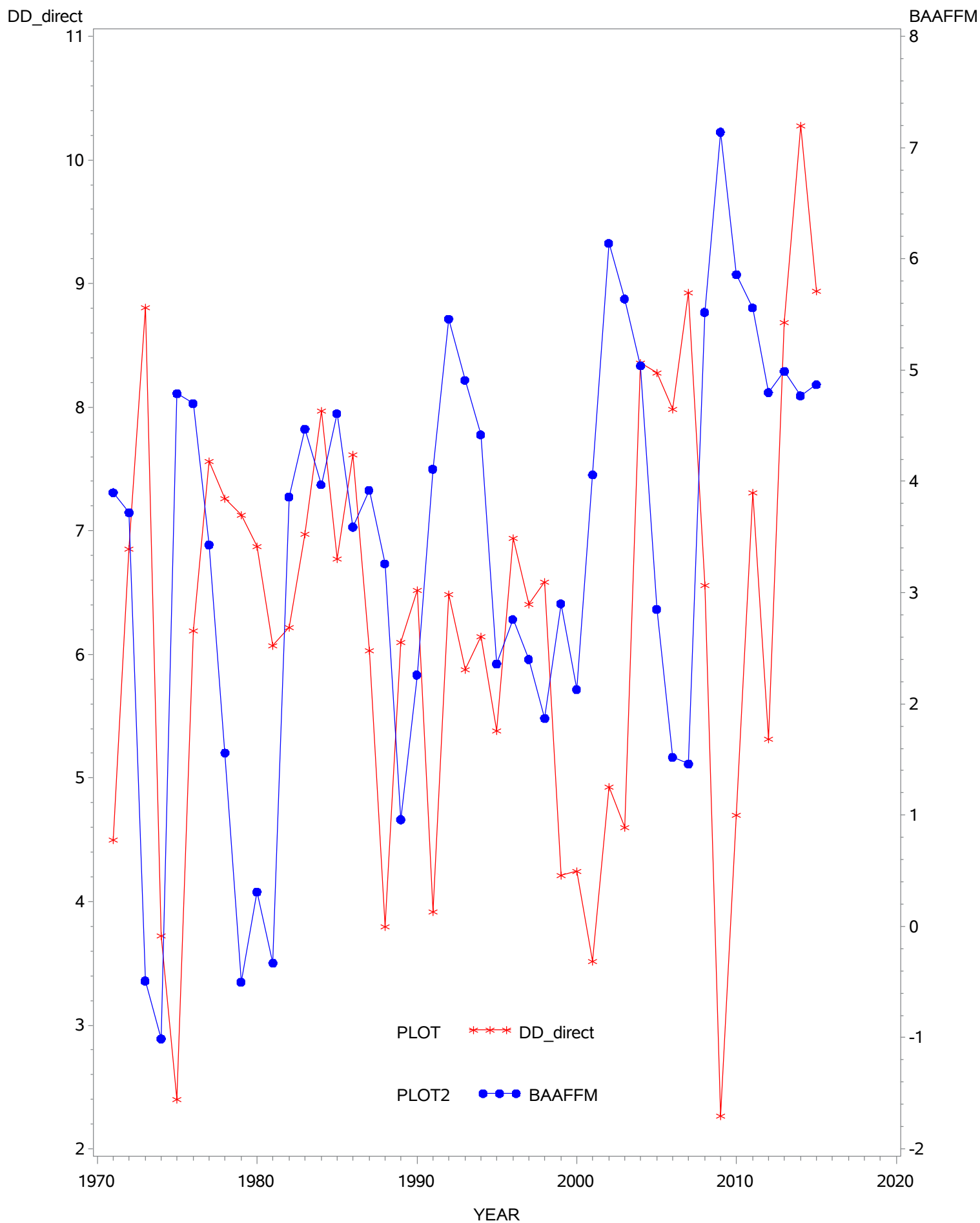
Baa and PD_direct per year, 1970 to 2015

Baa and DD_iterative per year, 1970 to 2015

Baa and PD_iterative per year, 1970 to 2015