

L. Lam, et al. “Bilinear Effect in Complex System”

Table 1. List of Chinese Dynasties (Data of Cihai).

	Start Time (Year)	End Time (Year)	Lifetime (Year)
Qin	BC 221	BC 206	15
Western Han	BC 202	AD 9	210
Xin	9	24	15
Eastern Han	25	220	195
Wei	220	265	45
Shu Han	221	263	42
Wu	222	280	58
Western Jin	265	316	51
Cheng Han	303	347	44
Former Zhao	304	329	25
Eastern Jin	317	420	103
Former Liang	317	376	59
Later Zhao	319	351	32
Former Yan	337	370	33
Dai	338	376	38
Former Qin	350	394	44
Ran Wei	350	353	3
Later Qin	384	417	33
Later Yan	384	407	23
Western Yan	384	394	10
Western Qin	385	431	46
Northern Wei	386	534	148
Later Liang	386	403	17
Northern Liang	396	460	64
Southern Liang	397	414	17
Southern Yan	398	410	12
Western Liang	400	421	21
Xia	407	431	24
Northern Yan	408	436	28
Liu Song	420	479	59
Rouran	464	520	56
Southern Chi	480	502	22
Liang	502	557	55
Eastern Wei	534	550	16
Western Wei	535	557	22
Northern Chi	550	577	27
Gaocang	531	640	109
Chen	557	589	32
Northern Zhou	557	581	24

Sui	581	619	38
Tang	618-690	705-907	274
Bohai	698	925	227
Wu Zhou	690	705	15
Nanzhao	748	937	189
Wu	902	937	35
Liao	907	1125	218
Wuyue	907	978	71
Former Shu	907	932	25
Later Liang	907	923	16
Min	909	945	36
Yan	911	913	2
Yutian	912	940	28
Southern Han	917	971	54
Nanping	924	963	39
Later Tang	923	936	13
Dongdan	926	936	10
Chu	927	951	24
Later Shu	934	965	31
Later Jin	936	946	10
Dali	937	1254	317
Southern Tang	937	975	38
Later Han	947	950	3
Northern Han	951	979	28
Later Chou	951	960	9
Northern Song	960	1126	166
Western Xia	1032	1227	195
Jin	1115	1234	119
Northern Liao	1122	1123	1
Western Liao	1124	1211	87
Southern Song	1127	1279	152
Yuan(Mongolia)	1206	1388	182
Ming	1368	1644	276
Qing	1616	1912	296
Southern Ming	1644	1663	19

Table 2. List of Chinese Dynasties (Data of Oxford).

Dynasty	Start of each emperor (Year)	End of each emperor (Year)	Time of rule (Year)	Number of emperors	Lifetime (Year)
Ch'in	-221	-210	11	3	15

		-210	-207	3		
		-208	-207	1		
Western Han		-207	-195	12	13	216
		-195	-188	7		
		-188	-180	8		
		-180	-157	23		
		-157	-141	16		
		-141	-87	54		
		-87	-74	13		
		-74	-48	26		
		-48	-33	15		
		-33	-7	26		
		-7	-1	6		
		-1	6	7		
		6	9	3		
Hsin		9	23	14	2	16
		23	25	2		
Eastern Han		25	57	2	13	195
		57	75	18		
		75	88	13		
		88	106	18		
		105	106	1		
		106	125	19		
		125	144	19		
		144	145	1		
		145	146	1		
		146	168	22		
		168	189	21		
		188	189	1		
		189	220	31		
Three Kingdoms	Wei	220	226	6	5	46
		226	239	13		
		239	254	15		
		254	260	6		
		260	266	6		
	Minor Han	221	223	2	2	42
		223	263	40		
	Wu	222	252	30	4	58
		252	258	6		
		258	264	6		
		264	280	16		
	Western Chin	266	290	24	4	48
		290	307	17		
		307	311	4		
		313	316	3		
The Southern	Eastern Chin	317	323	6	11	104
		323	325	2		
		325	342	17		
		342	344	2		
		344	361	17		
		361	365	4		

		365	372	7		
		371	372	1		
		372	396	24		
		396	419	23		
		419	420	1		
	Liu Sung	420	422	2	8	59
		422	424	2		
		424	453	29		
		453	464	11		
		464	466	2		
		466	472	6		
		472	477	5		
		477	479	2		
	Southern Ch'i	479	482	3	7	24
		482	493	11		
		493	494	1		
		493	494	1		
		494	498	4		
		498	501	3		
		501	502	1		
	Liang	502	549	47	5	55
		549	551	2		
		550	551	1		
		552	555	3		
		555	557	2		
	Ch'en	557	559	2	5	31
		559	566	7		
		566	568	2		
		569	582	13		
		582	589	7		
The Northern	Northern Wei	386	409	23	15	152
		409	423	14		
		423	452	29		
		451	452	1		
		452	465	13		
		465	471	6		
		471	499	28		
		499	515	16		
		515	528	13		
		527	528	1		
		528	530	2		
		530	531	1		
		531	532	1		
		531	532	1		
		532	535	3		
	Eastern Wei	534	550	16	1	16
	Northern Ch'i	550	559	9	6	28
		559	560	1		
		560	561	1		
		561	565	4		
		565	577	12		

		576	577	1		
	Western Wei	535	551	16	3	42
		531	554	23		
		554	557	3		
	Northern Zhou	556	557	1	5	25
		557	560	3		
		560	578	18		
		578	579	1		
		579	581	2		
Sui		581	604	23	3	37
		604	617	13		
		617	618	1		
T'ang		618	626	8	23	290
		626	649	23		
		649	683	34		
		683	684	1		
		684	690	6		
		690	705	15		
		705	710	5		
		710	712	2		
		712	756	44		
		756	762	6		
		762	779	17		
		779	805	26		
		804	805	1		
		805	820	15		
		820	824	4		
		824	827	3		
		827	840	13		
		840	846	6		
		846	859	13		
		859	873	14		
		873	888	15		
		888	904	16		
		904	907	3		
The Five	Later Liang	907	912	5	3	16
		912	913	1		
		913	923	10		
	Later T'ang	923	926	3	4	14
		926	933	7		
		933	934	1		
		934	937	3		
	Later Chin	937	942	5	2	10
		942	947	5		
	Later Han	947	948	1	2	4
		948	951	3		
	Later Zhou	951	954	3	3	9
		954	959	5		
		959	960	1		
The Border Empires	Liao	907	926	19	9	217

		927	947	20		
		947	951	4		
		951	969	18		
		969	982	13		
		982	1031	49		
		1031	1055	24		
		1055	1101	46		
		1101	1125	24		
	Chin	1115	1123	8	10	129
		1123	1135	12		
		1135	1159	24		
		1150	1161	11		
		1161	1189	28		
		1189	1208	19		
		1208	1213	5		
		1213	1224	11		
		1224	1234	10		
		1233	1234	1		
Northern Sung		960	976	16	9	167
		976	997	21		
		997	1022	25		
		1022	1063	41		
		1063	1067	4		
		1067	1085	18		
		1085	1100	15		
		1100	1126	26		
		1126	1127	1		
Southern Sung		1127	1162	35	9	152
		1162	1189	27		
		1189	1194	5		
		1194	1224	30		
		1224	1264	40		
		1264	1274	10		
		1274	1276	2		
		1276	1278	2		
		1278	1279	1		
Yuan		1206	1227	21	15	152
		1229	1241	12		
		1246	1248	2		
		1251	1259	8		
		1260	1294	34		
		1294	1307	13		
		1307	1311	4		
		1311	1320	9		
		1320	1323	3		
		1323	1328	5		
		1328	1329	1		
		1328	1329	1		
		1329	1332	3		
		1331	1332	1		
		1333	1368	35		
Ming		1368	1398	30	17	277
		1398	1402	4		

		1402	1424	22		
		1424	1425	1		
		1425	1435	10		
		1435	1449	14		
		1449	1457	8		
		1457	1464	7		
		1464	1487	23		
		1487	1505	18		
		1505	1521	16		
		1521	1567	46		
		1567	1572	5		
		1572	1620	48		
		1619	1620	1		
		1620	1627	7		
		1627	1644	17		
Ch'ing		1644	1661	17	10	268
		1661	1722	61		
		1722	1735	13		
		1735	1796	61		
		1796	1820	24		
		1820	1850	30		
		1850	1861	11		
		1861	1875	14		
		1875	1908	33		
		1908	1912	4		

Table 3. List of British Dynasties (Data of Oxford).

Dynasty	Start of each king (Year)	End of each king (Year)	Time of rule (Year)	Lifetime (Year)
House of Wessex	802	839	37	
	839	858	19	
	856	860	4	
	858	865	7	
	865	871	6	
	871	899	28	
	899	924	25	
	923	924	1	
	924	939	15	
	939	946	7	
	946	955	9	
	955	959	4	
	957	975	18	
	975	978	3	
	978	1016	38	
	1015	1016	1	222
H. of Denmark	1016	1035	19	
	1037	1040	3	
	1040	1042	2	24
H. of Wessex	1042	1066	24	
	1065	1066	1	25
H. of Normandy	1066	1087	21	
	1097	1100	3	

	1100	1135	35	59
H. of Blois	1135	1154	19	19
H. of Plantagenet	1154	1189	35	
	1170	1183	13	
	1189	1199	10	
	1199	1216	17	
	1216	1272	56	
	1272	1307	35	
	1307	1327	20	
	1327	1377	50	
	1377	1399	22	258
H. of Lancaster	1399	1413	14	
	1413	1422	9	
	1422	1461	39	
	1470	1471	1	63
H. of York	1461	1470	9	
	1471	1483	12	
	1482	1483	1	
	1483	1485	2	24
H. of Tudor	1485	1509	24	
	1509	1547	38	
	1547	1553	6	68
H. of Suffolk	1552	1553	1	1
H. of Tudor	1553	1558	5	
	1558	1603	45	50
H. of Stuart	1603	1625	22	
	1625	1649	24	46
Commonweath & Protectorate	1649	1653	4	
	1653	1658	5	
	1658	1659	1	
	1659	1660	1	11
H. of Stuart	1660	1685	25	
	1685	1688	3	28
H. of Orange	1689	1702	13	
	1689	1695	6	19
H. of Stuart	1702	1714	12	12
H. of Hanover	1714	1727	13	
	1727	1760	33	
	1760	1820	60	
	1820	1830	10	
	1830	1837	7	
	1837	1901	64	187
H. of Saxe-Goburg-Gotha	1901	1910	9	
	1910	1939	29	
	1935	1936	1	
	1936	1952	16	55

Table 4. List of Japanese Dynasties (Data of Oxford).

Dynasty	Start time (Year)	End time (Year)	Lifetime (Year)
Yamato	-40	710	750
nara	710	784	74
heian	794	1185	391
kamakura	1185	1333	148

southern court	1336	1392	56
northern court	1336	1392	56
muromachi	1392	1573	181
hojo	1203	1333	130
ashikaga	1338	1573	235
tokugawa shogunate	1603	1868	265