TYCHOS SECTOR RISK REPORT

		2016	2017	2018	2019	2020 Q1
	Debt to GDP	156%	156%	160%	163%	165%
Total Private Debt	5 year % change	-5%	-3%	0%	4%	8%
	Billion Yen	¥836,055	¥852,481	¥875,271	¥903,051	¥909,400
	Debt to GDP	99%	99%	101%	104%	105%
Business Debt	5 year % change	-5%	-4%	0%	5%	10%
	Billion Yen	¥529,998	¥538,265	¥554,771	¥575,823	¥581,764
	Debt to GDP	57%	58%	59%	59%	59%
Household Debt	5 year % change	-5%	-2%	-0%	2%	5%
	Billion Yen	¥306,057	¥314,216	¥320,500	¥327,228	¥327,636

Areas of Concern

Corporate Sectors		2016	2017	2018	2019	2020 Q1
	DLB Loans to GDP	13.2%	13.7%	14.4%	14.7%	14.9%
Non-Manufacturing Real Estate	5 year % change	9%	13%	19%	21%	24%
	Billion Yen	¥70,727	¥74,976	¥78,914	¥81,362	¥82,489
	DLB Loans to GDP	2.5%	2.5%	2.6%	2.8%	2.8%
Non-Manufacturing	5 year % change	29%	28%	31%	28%	32%
Commodity Lease	Billion Yen	¥13,329	¥13,717	¥14,314	¥15,428	¥15,740
Non Monufootusina	DLB Loans to GDP	2.0%	2.2%	2.4%	2.6%	2.6%
Non-Manufacturing	5 year % change	35%	31%	31%	36%	37%
Utilities	Billion Yen	¥10,648	¥12,032	¥13,387	¥14,528	¥14,605

Private Debt Ler	nders	2016	2017	2018	2019	2020 Q1
	Debt to GDP	22.3%	20.5%	23.1%	24.0%	26.5%
Financial Dealers and Brokers	5 year % change	55%	46%	28%	18%	29%
	Billion Yen	¥119,187	¥111,689	¥126,471	¥132,860	¥146,453
Other Financial Intermediaries:	Debt to GDP	11.2%	11.4%	12.0%	12.8%	13.3%
	5 year % change	-1%	7%	17%	19%	24%
Non Banks	Billion Yen	¥59,724	¥62,044	¥65,527	¥70,881	¥73,400
	Debt to GDP	3.0%	3.8%	4.9%	5.5%	5.5%
Financial Auxiliaries	5 year % change	93%	138%	217%	228%	205%
	Billion Yen	¥15,834	¥20,735	¥26,731	¥30,322	¥30,322
	Debt to GDP	2.7%	2.7%	3.3%	2.7%	3.1%
Collectively Managed Trusts	5 year % change	174%	173%	178%	117%	116%
	Billion Yen	¥14,246	¥14,667	¥17,966	¥15,029	¥17,132

^{*} Non Banks include Finance Companies & Structured Financing Special Purpose Companies

▲ High Concern ▲ Concern ▲ Current or recent crisis No Current Concern

^{*} Financial Auxiliaries include Stock Exchanges and Credit Guarantee Institutions, Foreign Exchange Brokers, and Financial Holding Companies

Business Debt

DLB Loans by Inc		2016	2017	2018	2019	2020 Q1
	DLB Loans to GDP	10.7%	10.3%	10.3%	10.5%	10.7%
Manufacturing	5 year % change	-3%	-6%	-6%	-3%	2%
	Billion Yen	¥57,170	¥56,285	¥56,520	¥58,323	¥58,905
	DLB Loans to GDP	46.0%	46.8%	48.6%	48.7%	49.2%
Non-Manufacturing	5 year % change	5%	6%	9%	8%	12%
	Billion Yen	¥246,323	¥255,617	¥265,512	¥269,474	¥272,047
Memo: Non-Manufacturing Real	DLB Loans to GDP	13.2%	13.7%	14.4%	14.7%	14.9%
•	5 year % change	9%	13%	19%	21%	24%
Estate	Billion Yen	¥70,727	¥74,976	¥78,914	¥81,362	¥82,489
Memo: Non-Manufacturing	DLB Loans to GDP	5.0%	4.9%	4.9%	4.7%	4.8%
•	5 year % change	-9%	-10%	-9%	-12%	-7%
Wholesale Trade	Billion Yen	¥26,707	¥26,496	¥26,681	¥26,240	¥26,373
Memo: Non-Manufacturing	DLB Loans to GDP	3.0%	3.0%	3.2%	3.1%	3.1%
	5 year % change	-7%	-6%	1%	1%	6%
Transport	Billion Yen	¥16,286	¥16,500	¥17,244	¥17,045	¥17,225
Memo: Non-Manufacturing Retail Trade	DLB Loans to GDP	2.9%	2.9%	2.9%	2.9%	2.9%
	5 year % change	-3%	-2%	-1%	-1%	2%
Retail Trade	Billion Yen	¥15,325	¥15,703	¥15,750	¥15,900	¥16,016
Memo: Non-Manufacturing: Services: Commodity Lease	DLB Loans to GDP	2.5%	2.5%	2.6%	2.8%	2.8%
	5 year % change	29%	28%	31%	28%	32%
	Billion Yen	¥13,329	¥13,717	¥14,314	¥15,428	¥15,740
Memo: Non-Manufacturing	DLB Loans to GDP	2.0%	2.2%	2.4%	2.6%	2.6%
	5 year % change	35%	31%	31%	36%	37%
Utilities	Billion Yen	¥10,648	¥12,032	¥13,387	¥14,528	¥14,605
Memo: Non-Manufacturing	DLB Loans to GDP	2.1%	2.1%	2.1%	2.1%	2.1%
Services:	5 year % change	13%	13%	13%	8%	11%
Medical and Healthcare	Billion Yen	¥10,984	¥11,357	¥11,641	¥11,707	¥11,648
	DLB Loans to GDP	2.1%	2.1%	2.1%	2.1%	2.1%
Memo: Non-Manufacturing	5 year % change	-15%	-12%	-7%	-5%	-1%
Construction	Billion Yen	¥11,229	¥11,201	¥11,406	¥11,572	¥11,682
Memo: Non-Manufacturing	DLB Loans to GDP	0.7%	0.6%	0.6%	0.6%	0.6%
Information and	5 year % change	49%	18%	6%	-6%	-6%
Communication	Billion Yen	¥3,654	¥3,391	¥3,399	¥3,407	¥3,075
Memo: Non-Manufacturing	DLB Loans to GDP	0.5%	0.5%	0.5%	0.5%	0.5%
Services:	5 year % change	-4%	-5%	-3%	-1%	5%
Eating and Drinking Places	Billion Yen	¥2,493	¥2,509	¥2,609	¥2,590	¥2,650
	DLB Loans to GDP	0.4%	0.4%	0.4%	0.4%	0.4%
Memo: Non-Manufacturing	5 year % change	-13%	-7%	1%	5%	12%
Services:						
Hotel	Billion Yen	¥2,077	¥2,167	¥2,266	¥2,347	¥2,386

Household Debt

Household Del	ot, by Type	2016	2017	2018	2019	2020 Q1
	Debt to GDP	36.8%	36.8%	37.8%	38.6%	39.0%
Housing Loans	5 year % change	-3%	-3%	0%	4%	8%
	Billion Yen	¥197,102	¥201,006	¥206,904	¥213,849	¥215,480
	DLB Loans to GDP	1.8%	1.9%	1.9%	1.9%	1.9%
Consumer Credit	5 year % change	31%	32%	25%	15%	9%
	Billion Yen	¥9,866	¥10,411	¥10,458	¥10,385	¥10,428
	DLB to GDP	1.0%	1.1%	1.0%	1.0%	1.0%
Credit Card Debt	5 year % change	54%	52%	33%	15%	7%
	Billion Yen	¥5,445	¥5,748	¥5,700	¥5,514	¥5,533
	Debt to GDP	0.3%	0.4%	0.3%	0.2%	0.2%
Margin Debt	5 year % change	-34%	3%	-62%	-66%	-78%
•	Billion Yen	¥1.709	¥2.039	¥1.689	¥1.368	¥833







Private Debt by Lender/Holder

Private Debt Len	ders	2016	2017	2018	2019	2020 Q1
	Debt to GDP	144.9%	146.2%	148.1%	150.2%	157.6%
Banks	5 year % change	6%	3%	3%	4%	13%
	Billion Yen	¥775,894	¥798,187	¥810,124	¥831,529	¥870,914
	Debt to GDP	22.3%	20.5%	23.1%	24.0%	26.5%
Financial Dealers and Brokers	5 year % change	55%	46%	28%	18%	29%
	Billion Yen	¥119,187	¥111,689	¥126,471	¥132,860	¥146,453
Other Financial Intermediaries:	Debt to GDP	11.2%	11.4%	12.0%	12.8%	13.3%
	5 year % change	-1%	7%	17%	19%	24%
Non Banks	Billion Yen	¥59,724	¥62,044	¥65,527	¥70,881	¥73,400
	Debt to GDP	3.0%	3.8%	4.9%	5.5%	5.5%
Financial Auxiliaries	5 year % change	93%	138%	217%	228%	205%
	Billion Yen	¥15,834	¥20,735	¥26,731	¥30,322	¥30,322
Insurance (Life/Non-Life and	Debt to GDP	11.1%	10.5%	10.5%	10.1%	10.1%
,	5 year % change	-21%	-22%	-19%	-20%	-17%
Mutual Aid)	Billion Yen	¥59,236	¥57,244	¥57,196	¥55,847	¥55,698
	Debt to GDP	2.7%	2.7%	3.3%	2.7%	3.1%
Collectively Managed Trusts	5 year % change	174%	173%	178%	117%	116%
	Billion Yen	¥14,246	¥14,667	¥17,966	¥15,029	¥17,132
	Debt to GDP	1.7%	1.8%	1.9%	1.9%	1.8%
Pensions	5 year % change	43%	45%	31%	17%	4%
	Billion Yen	¥9,248	¥9,836	¥10,402	¥10,271	¥10,037
Drivete Costor (Households and	Debt to GDP	11.6%	11.2%	12.3%	12.3%	12.5%
Private Sector (Households and	5 year % change	4%	2%	12%	8%	13%
Non-Financial Corporations)	Billion Yen	¥61,986	¥61,278	¥67,032	¥68,244	¥68,961

^{*} Non Banks include Finance Companies & Structured Financing Special Purpose Companies

^{*} Financial Auxiliaries include Stock Exchanges and Credit Guarantee Institutions, Foreign Exchange Brokers, and Financial Holding Companies

Portfolio Loans & Investment (Total Economy) - Japan into Foreign Countries

Debt Security Inve	stment	2015	2016	2017	2018	2019 Q2	
	to GDP	51.0%	48.2%	49.9%	49.2%	52.6%	
Japan Holdings of Foreign Debt Securities	5 year % change	9%	10%	9%	-6%	16%	4
Securities	Billion Yen	¥270,929	¥257,885	¥272,423	¥268,943	¥290,982	
	to GDP	22.3%	22.4%	22.3%	20.7%	22.1%	
United States	5 year % change	46%	56%	56%	24%	23%	
	Billion Yen	¥118,462	¥119,878	¥121,555	¥113,459	¥122,309	
	to GDP	4.4%	4.3%	4.4%	4.6%	5.3%	
France	5 year % change	95%	114%	40%	9%	20%	
	Billion Yen	¥23,383	¥23,013	¥23,968	¥25,098	¥29,595	_
	to GDP	3.7%	3.4%	3.6%	4.1%	4.4%	
Cayman Islands	5 year % change	-51%	-55%	-53%	-52%	52%	4
	Billion Yen	¥19,768	¥17,951	¥19,797	¥22,312	¥24,086	
Equity and Investment I	Fund Shares	2015	2016	2017	2018	2019 Q2	
Japan Holdings of Foreign	to GDP	29.0%	28.5%	34.4%	32.9%	35.9%	
Equity & Investment Fund	5 year % change	144%	164%	211%	139%	46%	4
Shares	Billion Yen	¥154,314	¥152,761	¥187,883	¥180,142	¥198,807	
	to GDP	10.4%	10.7%	13.3%	13.6%	14.6%	
Cayman Islands	5 year % change	555%	555%	760%	650%	84%	
	Billion Yen	¥55,018	¥57,064	¥72,455	¥74,450	¥80,773	
	to GDP	8.9%	9.1%	10.5%	9.9%	11.0%	
United States	5 year % change	89%	97%	119%	60%	48%	
	Billion Yen	¥47,482	¥48,700	¥57,254	¥53,932	¥60,822	_
	to GDP	2.0%	1.7%	1.8%	1.8%	1.9%	
Luxembourg	5 year % change	561%	298%	556%	307%	-6%	
	Billion Yen	¥10,598	¥9,014	¥10,011	¥9,605	¥10,344	_
Loans		2015	2016	2017	2018	2019 Q2	
lanan Haldings of Fausing	to GDP	26.4%	27.2%	27.3%	28.9%	27.9%	
Japan Holdings of Foreign	5 year % change	175%	154%	145%	119%	17%	
Loans	Billion Yen	¥140,463	¥145,810	¥149,062	¥157,938	¥153,604	
Japan Holdings of Foreign	to GDP	15.2%	15.8%	15.8%	15.9%	14.5%	
Loans: Private Financial	5 year % change	189%	165%	150%	112%	7%	
institutions	Billion Yen	¥80,904	¥84,494	¥86,107	¥87,120	¥79,781	
Japan Holdings of Foreign	to GDP	4.2%	4.3%	4.2%	4.1%	4.1%	
Loans: Public Financial	5 year % change	119%	124%	113%	103%	2%	
institutions	Billion Yen	¥22,392	¥22,855	¥22,706	¥22,567	¥22,437	
	to GDP	4.3%	4.5%	5.0%	5.6%	5.6%	
Japan Holdings of Foreign Loans: Non Financial Sector	5 year % change	164%	165%	163%	156%	50%	
Loans: Non Financial Sector	Billion Yen	¥22,608	¥24,173	¥27,335	¥30,722	¥30,840	

^{*} Total Economy includes Financial, Non-Financial and General Government sectors

Portfolio Loans & Investment (Total Economy) - Foreign Countries into Japan

Debt Security Inve	estment	2015	2016	2017	2018	2019 Q2	
Foreign Holdings of Japan's	to GDP	15.8%	15.5%	18.9%	20.5%	13.3%	
Debt Securities	5 year % change	69%	43%	79%	88%	14%	A
Debt Securities	Billion Yen	¥83,781	¥83,191	¥102,879	¥111,970	¥73,341	
	to GDP	2.8%	3.1%	4.7%	5.0%	4.6%	
United States	5 year % change	197%	88%	265%	265%	175%	A
	Billion Yen	¥14,614	¥16,498	¥25,424	¥27,298	¥25,604	
	to GDP	1.7%	1.3%	1.9%	2.5%	2.3%	
France	5 year % change	34%	-9%	37%	54%	43%	A
	Billion Yen	¥9,125	¥6,886	¥10,221	¥13,520	¥12,493	
	to GDP	0.9%	0.9%	0.9%	0.9%	1.0%	
Hong Kong	5 year % change	160%	77%	74%	148%	172%	A
	Billion Yen	¥4,542	¥4,666	¥4,831	¥4,833	¥5,736	
Equity and Investment	Fund Shares	2015	2016	2017	2018	2019 Q2	
Foreign Holdings of Japan's	to GDP	30.9%	28.1%	36.0%	29.9%	28.8%	
Equity and Investment Fund	5 year % change	114%	146%	181%	34%	19%	A
Shares	Billion Yen	¥164,036	¥150,639	¥196,642	¥163,599	¥159,388	
	to GDP	15.7%	14.1%	18.5%	15.3%	16.4%	
United States	5 year % change	99%	122%	169%	31%	35%	A
	Billion Yen	¥83,577	¥75,571	¥101,157	¥83,942	¥90,746	
	to GDP	2.8%	2.5%	3.0%	1.9%	2.1%	
United Kingdom	5 year % change	94%	127%	154%	-5%	-19%	A
_	Billion Yen	¥14,899	¥13,594	¥16,154	¥10,538	¥11,839	
	to GDP	2.0%	1.8%	2.3%	2.0%	2.0%	
Luxemboourg	5 year % change	127%	181%	234%	47%	33%	A
•	Billion Yen	¥10,335	¥9,910	¥12,742	¥10,763	¥11,240	_

^{*} Total Economy includes Financial, Non-Financial and General Government sectors

Derivative Activity

OTC Derivative Co	ontracts	2015	2016	2017	2018	2019	
	to GDP	950.3%	903.7%	1038.0%	1059.0%	1055.6%	
Interest Rate Contracts	5 Year % Change	35%	21%	57%	23%	8%	
	Billion Yen	¥5,049,137	¥4,839,872	¥5,666,470	¥5,793,844	¥5,845,063	
	to GDP	157.9%	155.1%	160.8%	163.1%	152.1%	
Foreign Exchange Contracts	5 Year % Change	79%	64%	69%	35%	12%	
	Billion Yen	¥838,813	¥830,608	¥877,803	¥892,580	¥842,723	
	to GDP	4.7%	3.9%	4.8%	3.7%	4.9%	
Equity-Linked Contracts	5 Year % Change	52%	19%	113%	61%	1%	
	Billion Yen	¥25,010	¥20,947	¥26,430	¥20,003	¥27,253	
	to GDP	0.2%	0.1%	0.1%	0.1%	0.1%	
Commodity Contracts	5 Year % Change	-75%	-75%	-69%	-61%	-43%	
	Billion Yen	¥922	¥614	¥600	¥706	¥623	
	to GDP	n/a	9.0%	7.8%	7.8%	8.2%	
Credit Derivatives	5 Year % Change	n/a	n/a	n/a	n/a	n/a	
	Billion Yen	n/a	¥47,966	¥42,786	¥42,448	¥45,406	
	to GDP	n/a	0.0%	0.0%	0.0%	0.0%	
Other Derivatives	5 Year % Change	n/a	n/a	n/a	n/a	n/a	
	Billion Yen	n/a	¥76	¥219	¥201	¥211	
	to GDP	1113.1%	1071.8%	1211.6%	1233.7%	1221.1%	
Total OTC Derivative Contracts	5 Year % Change	39%	27%	60%	26%	9%	
	Billion Yen	¥5,913,883	¥5,740,085	¥6,614,307	¥6,749,781	¥6,761,278	
Exchange-Traded Deriva	tive Contracts	2015	2016	2017	2018	2019	
	to GDP	0.0%	0.0%	0.0%	0.0%	0.1%	
Foreign Exchange Contracts	5 Year % Change	444%	7%	598%	735%	526%	
	Billion Yen	¥16	¥44	¥111	¥75	¥282	
	to GDP	126.4%	86.7%	100.3%	104.2%	94.2%	
Interest Rate Contracts	5 Year % Change	68%	73%	86%	69%	-3%	
	Billion Yen	¥671,508	¥464,390	¥547,764	¥570,151	¥521,482	
	to GDP	6.6%	6.1%	9.2%	6.6%	7.2%	
Equity-Linked Contracts	5 Year % Change	379%	447%	441%	170%	159%	
	Billion Yen	¥34,844	¥32,537	¥50,231	¥36,348	¥40,046	
	to GDP	0.0%	0.0%	0.0%	0.1%	0.0%	
Commodity Contracts	5 Year % Change	-98%	-94%	-88%	-76%	363%	
-	Billion Yen	¥36	¥178	¥64	¥249	¥189	
	to GDP	133.0%	92.8%	109.6%	110.9%	101.5%	
Total Exchange-Traded	5 Year % Change	73%	79%	96%	73%	1%	
Contracts	o rour /o oriango	1070					







n/a: Data Not Available





DLB: Domestically Licensed Banks





Largest Individual Lenders

Individual Lend	ders	2016	2017	2018	2019	2020 Q1
	Loans to GDP	20.4%	20.2%	19.9%	19.3%	21.6%
	5 year % change	24%	14%	-1%	-9%	-4%
MUFG Financial Group	Billion Yen	¥109,291	¥110,371	¥108,834	¥106,859	¥119,361
*	Charge-off Rate	0.1%	0.1%	0.1%	0.1%	0.1%
	Loans to GDP	15.7%	15.8%	14.6%	14.8%	17.5%
Sumitomo Mitsui Financial	5 year % change	21%	20%	6%	0%	21%
Group	Billion Yen	¥84,036	¥85,993	¥80,049	¥81,803	¥96,541
	Charge-off Rate	0.2%	0.2%	0.2%	0.2%	0.1%
	Loans to GDP	15.1%	15.2%	14.5%	14.8%	15.2%
	5 year % change	13%	15%	5%	4%	9%
Mizuho Financial Group, Inc.	Billion Yen	¥80,941	¥82,826	¥79,148	¥82,074	¥84,053
	Charge-off Rate	0.3%	0.1%	0.1%	0.1%	0.1%
	Loans to GDP	5.2%	5.2%	6.5%	6.6%	6.7%
Danama Haldimaa Jas	5 year % change	0%	-1%	25%	26%	30%
Resona Holdings, Inc.	Billion Yen	¥27,781	¥28,306	¥35,808	¥36,512	¥37,119
	Charge-off Rate	0.7%	0.6%	0.5%	0.6%	0.5%
	Loans to GDP	2.4%	2.4%	3.1%	3.7%	3.6%
	5 year % change	-24%	-31%	-16%	-7%	-6%
Norinchukin Bank	Billion Yen	¥12,947	¥13,261	¥16,715	¥20,721	¥20,113
	Charge-off Rate	20.41%	20.22%	19.90%	19.30%	21.60%



Real Estate

Total Debt		2016	2017	2018	2019	2020 Q1
Housing Loans	Debt to GDP	36.8%	36.8%	37.8%	38.6%	39.0%
	5 year % change	-3%	-3%	0%	4%	8%
	Billion RMB	¥197,102	¥201,006	¥206,904	¥213,849	¥215,480

Quarterly Real Estat	e Summary	Dec-2018	Mar-2019	June-2019	Sep-2019	Dec-2019	Mar-2020
Residential Property Price	Index (2010=100)	110.94	115.35	113.28	114.01	111.54	116.20
Index	Annual Change	2.00%	1.51%	1.25%	2.38%	0.54%	0.74%
Commercial Property Price	Index (2010=100)	120.10	124.35	122.43	124.77	119.65	122.37
Index	Annual Change	-1.64%	0.65%	-0.61%	0.45%	-0.37%	-1.59%
Tokyo Average Office	Percentage	1.88%	1.78%	1.72%	1.64%	1.55%	1.50%
Vacancy Rate	Annual Change	-23.27%	-23.61%	-21.82%	-17.17%	-17.55%	-15.73%













Additional Data

Public Debt		2016	2017	2018	2019	2020 Q1
Total General Government Debt	Debt to GDP	226.9%	224.5%	226.4%	228.2%	228.0%
	5 Year % Change	7%	3%	2%	1%	3%
	Billion Yen	¥1,214,969	¥1,225,675	¥1,237,812	¥1,263,800	¥1,260,082
Central Government Debt	Debt to GDP	193.4%	191.9%	193.9%	196.5%	196.4%
	5 Year % Change	10%	5%	4%	3%	5%
	Billion Yen	¥1,035,498	¥1,047,379	¥1,060,559	¥1,087,861	¥1,085,068
Local Government Debt	Debt to GDP	33.1%	32.3%	32.0%	31.4%	31.3%
	5 Year % Change	-7%	-10%	-9%	-10%	-7%
	Billion Yen	¥177,083	¥176,142	¥175,229	¥173,930	¥173,004
Social Security Fund Debt	Debt to GDP	0.4%	0.4%	0.4%	0.4%	0.4%
	5 Year % Change	-48%	-49%	-45%	-39%	-32%
	Billion Yen	¥2,387	¥2,153	¥2,024	¥2,010	¥2,010

Supplementary Data		2016	2017	2018	2019	2020 Q1
Nominal GDP	Billion Yen	¥535,537	¥545,897	¥546,852	¥553,741	¥552,559
	Annual % Change	0.8%	1.9%	0.2%	1.3%	0.8%
Real GDP	Billion 2011 Chain Linked Price	¥519,631	¥530,898	¥532,360	¥535,901	¥533,587
	Annual % Change	0.5%	2.2%	0.3%	0.7%	0.0%
Consumer Price Index (Inflation)	CPI (2015=100)	100.10	101.20	101.50	102.30	101.90
	Inflation Rate	0.3%	1.1%	0.3%	0.8%	0.4%
Unemployment	Person (Thousands)	1,930	1,740	1,590	1,450	1,760
	Unemployment Rate	3.0%	2.7%	2.4%	2.2%	2.5%
Current Account Balance	Billion Yen	¥21,391	¥22,778	¥19,374	¥20,115	¥19,709
	to GDP	4.0%	4.2%	3.5%	3.6%	3.6%





Explanatory Notes

Color Code	Cell Description		
	5 Year % Change > 40%		
	5 Year % Change > 40%		
	Debt to GDP < 1.5% (immaterial)		
	5 Year % Change > 20% < 40%		
	5 Year % Change > 20% < 40%		
	Debt to GDP < 1.5% (immaterial)		
	5 Year % Change > 13% < 20%		
	5 Year % Change > 13% < 20%		
	Debt to GDP < 1.5% (immaterial)		
	Residual Risk Period		





Sources

Page One

- Bank for International Settlement (BIS). "Credit to the Non-Financial Sector." https://www.bis.org/statistics/totcredit.htm.
- Bank of Japan. "Table JP.KB009: Loans and Discounts by Industry." Retrieved from CEIC Data.
- Bank of Japan. "Table JP.KB014: Consumer Credit." Retrieved from CEIC Data.
- Bank of Japan. "Table Japan: Flow of Funds." Retrieved from CEIC Data.

Page Two

- Bank of Japan. "Table JP.KB009: Loans and Discounts by Industry." Retrieved from CEIC Data.
- · Bloomberg.
- Bank of Japan. "Table JP.KB014: Consumer Credit." Retrieved from CEIC Data.

Page Three

• Bank of Japan. "Table Japan: Flow of Funds." Retrieved from CEIC Data.

Page Four

International Monetary Fund (IMF). "Table 1: Reported Portfolio Investment Assets by Economy of Nonresident Issuer." https://data.imf.org/?sk=B981B4E3-4E58-467E-9B90-9DE0C3367363&sld=1424963554286.

Page Five

- International Monetary Fund (IMF). "Table 8" Derived Portfolio Investment Liabilities (All Economies) by Economy of Nonresident Holder: (Derived from Creditor Data)." https://data.imf.org/?sk=B981B4E3-4E58-467E-9B90-9DE0C3367363&sld=1424963554286.
- Bank of Japan. "Table Japan: Flow of Funds." Retrieved from CEIC Data.

Page Six

• Bank of Japan. "Regular Derivatives Market Statistics in Japan: Long-Term Time Series Data on 'Regular Derivatives Market Statistics in Japan." https://www.boj.or.jp/en/statistics/bis/yoshi/index.htm/.

Page Seven

• S&P Capital IQ. "Market Intelligence." https://www.capitaliq.com/.

Page Eight

- Bank of Japan. "Table Japan: Flow of Funds." Retrieved from CEIC Data.
- Ministry of Land, Infrastructure, Transport and Tourism. "Table.JP.EB018: Residential Property Price Index." Retrieved from CEIC Data.
- Ministry of Land, Infrastructure, Transport and Tourism. "Table.JP.EB019: Commercial Property Price Index." Retrieved from CEIC Data.
- Miki Shoji Company Limited. "Table.JP.EB005: Office Vacancy Rate: By Region." Retrieved from CEIC Data.

Page Nine

- Economic and Social Research Institute. "Table JP.A001: SNA 2008: GDP: By Expenditure." Retrieved from CEIC Data.
- Economic and Social Research Institute. "Table JP.A007: SNA 2008: GDP: By Expenditure: Chain Linked: 2011 Price." Retrieved from CEIC Data.
- International Monetary Fund (IMF). "International Financial Statistics (IFS): Prices, Production, and Labor." https://data.imf.org/?sk=4c514d48-b6ba-49ed-8ab9-52b0c1a0179b&sld=1409151240976.
- Statistical Bureau. "Table JP.G027: Labor Force Survey: Unemployment." Retrieved from CEIC Data.
- Statistical Bureau. "Table JP.G029: Labor Force Survey: Unemployment Rate." Retrieved from CEIC Data.
- Bank of Japan. "Table JP.JB001: Balance of Payment: BPM6: Summary." Retrieved from CEIC Data.

