

How to update the data

The data used in this project include monthly vs quarterly data. The following will go through how to extract the values used for each variable listed in the *datalog* file.

**Note: for the minimal update, only household deposits and household loans need to be updated for future forecasts to be produced.*

Monthly Features

1. *household_deposits*






Download link: <https://www.rbnz.govt.nz/statistics/series/registered-banks/banks-liabilities-deposits-by-sector>

Banks: Liabilities – Deposits by sector (S40)

This data provides information on bank deposits, by sector.

Released: 30 September 2025 **Next Release: 31 October 2025**

Periodicity: Monthly Source: Reserve Bank of New Zealand

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scroll down to the table:

	Previous years:			Monthly:			
	Aug 2023	Aug 2024	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025
All deposits (\$m)							
Total (Gross)	440,427	455,747	477,730	473,662	473,951	478,562	476,844
Resident (A1 to A9)	408,017	420,388	440,476	438,600	438,511	444,391	441,490
A1. Financial business	40,108	41,634	42,815	42,593	43,199	42,449	43,629
A2. Non-financial business	111,050	108,036	114,290	111,366	110,828	115,507	111,584
A3. General government	15,417	15,430	15,416	16,686	15,717	15,297	15,943
A3.1 Central government	11,734	10,967	11,526	12,009	11,348	11,125	10,943
A3.2 Local government	3,683	4,463	3,890	4,677	4,369	4,172	5,000
A4. Non-profit institutions	5,582	5,996	5,821	5,684	5,625	5,913	5,786
A5. Households	235,859	249,292	262,134	262,271	263,142	265,225	264,548

2. *household_loans*

NOTE: for legacy reasons, this value is comprised of values A5+B3. Historically this is what was reported for this value from 1998.

Download link: <https://www.rbnz.govt.nz/statistics/series/registered-banks/banks-assets-loans-by-sector>

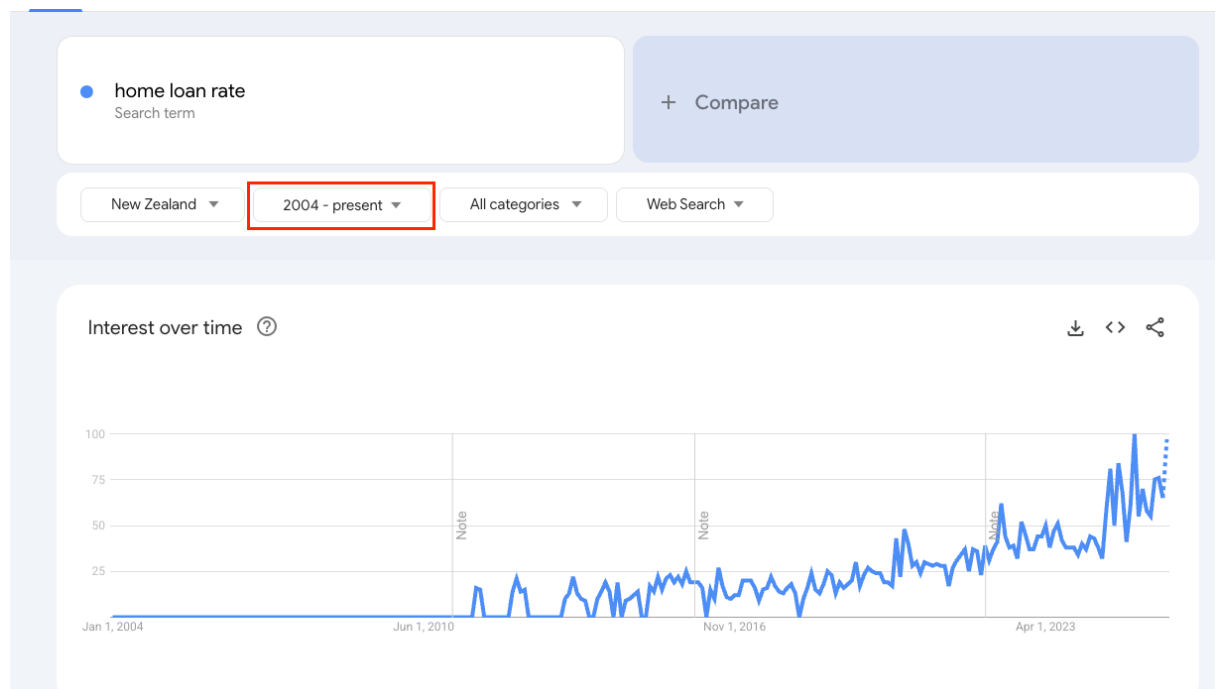
	Previous years:				Monthly:		
	Aug 2023	Aug 2024	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025
Loans (\$m)							
Total loans (Gross)	551,368	566,682	578,632	582,393	584,843	586,272	590,730
Resident (A1 to A9)	544,394	559,849	571,781	575,365	577,470	578,780	582,469
A1. Financial business	10,595	11,082	11,541	12,243	11,922	11,615	12,033
A2. Non-financial business	272,105	277,283	279,661	281,074	282,431	283,263	285,252
A3. General government	768	858	896	931	891	979	909
A3.1 Central government	596	663	704	753	745	720	749
A3.2 Local government	172	195	192	178	147	259	161
A4. Non-profit institutions	493	516	516	526	522	523	517
A5. Households ¹	260,430	Latest Value = 283,757+ 3,175 = 286,932					283,757
A9. Unallocated resident	3	1	1	1	1	1	1
Non-resident (B1 to B9)	6,973	6,833	6,851	7,027	7,373	7,492	61
B1. Financial business abroad	767	685	316	481	872	918	+36
B2. Non-financial business abroad	3,054	2,991	3,355	3,371	3,329	3,419	3,588
B3. Households abroad ¹	3,076	3,119	3,166	3,166	3,167	3,152	3,175
B9. Other abroad	76	38	14	10	5	3	2

3. *google_home_loan_rate_search*

Download link: <https://trends.google.com/trends/>

Search term: home loan rate

Note: change the time to 2004-present and will get monthly value.



4. card_consumables

Download link: <https://infoshare.stats.govt.nz/default.aspx?>


Select: Economic indicators → Electronic card transactions → values by industry group (monthly)


Subject categories



Show discontinued

- Businesses
 - Economic indicators ←
 - Balance of Payments - BOP
 - Capital Goods Price Index - CEP
 - Consumers Price Index - CPI
 - Electronic Card Transactions (ANZSIC06) - ECT ←
 - Electronic card transactions by mean and proportion (Annual-Mar)
 - Electronic card transactions by mean and proportion (Monthly)
 - Electronic card transactions by mean and proportion (Qrtly-Mar/Jun/Sep/Dec)
 - Number of electronic card transactions A/S/T by division (Annual-Mar)
 - Number of electronic card transactions A/S/T by division (Monthly)
 - Number of electronic card transactions A/S/T by division (Qrtly-Mar/Jun/Sep/Dec)
 - Total values - Electronic card transactions A/S/T by division (Annual-Mar)
 - Total values - Electronic card transactions A/S/T by division (Monthly)
 - Total values - Electronic card transactions A/S/T by division (Qrtly-Mar/Jun/Sep/Dec)
 - Totals - Electronic card transactions by division, percentage changes (Monthly)
 - Totals - Electronic card transactions by division, percentage changes (Qrtly-Mar/Jun/Sep/Dec)
 - Values - Electronic card transactions A/S/T by industry group (Annual-Mar)
 - Values - Electronic card transactions A/S/T by industry group (Monthly) ←
 - Values - Electronic card transactions A/S/T by industry group (Qrtly-Mar/Jun/Sep/Dec)
 - Household living-costs price Indexes - HPI
 - International Comparisons of CPI - ICP
 - International Investment Position - IIP

Group: Electronic Card Transactions (ANZSIC06) - ECT
Table: Values - Electronic card transactions A/S/T by industry group (Monthly)

Mark your selections and choose between table on screen and file format. [Help](#)
For variables marked  you need to select at least one value.


Actual/Seasonally Adjusted/Trend 



Select all | Clear selection |  

Total: 3. Selected:

Actual
Seasonally adjusted
Trend

Search Find ☐ Text start


Industry Group 



Select all | Clear selection |  

Total: 8. Selected:

Consumables
Durables
Hospitality
Services
Apparel
Motor vehicles excl. fuel
Fuel

Search Find ☐ Text start

Time 

Select all | Clear selection |  

Total: 309. Selected:

2025M09
2025M08
2025M07
2025M06
2025M05
2025M04
2025M03

Search Find ☐ Text start

Number of selected data rows

5. card_credit

Download link: <https://infoshare.stats.govt.nz/default.aspx?>

Select: Economic indicators → Electronic card transactions → Total values electronic card transactions (monthly)

Subject categories

[Show discontinued](#)

- Businesses
- Economic indicators
 - Balance of Payments - BOP
 - Capital Goods Price Index - CEP
 - Consumers Price Index - CPI
 - Electronic Card Transactions (ANZSIC06) - ECT
 - Electronic card transactions by mean and proportion (Annual-Mar)
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 - Total values - Electronic card transactions A/S/T by division (Monthly)**
 - Total values - Electronic card transactions A/S/T by division (Qrtly-Mar/Jun/Sep/Dec)
 - Totals - Electronic card transactions by division, percentage changes (Monthly)
 - Totals - Electronic card transactions by division, percentage changes (Qrtly-Mar/Jun/Sep/Dec)
 - Values - Electronic card transactions A/S/T by industry group (Annual-Mar)
 - Values - Electronic card transactions A/S/T by industry group (Monthly)
 - Values - Electronic card transactions A/S/T by industry group (Qrtly-Mar/Jun/Sep/Dec)

Group: Electronic Card Transactions (ANZSIC06) - ECT

Table: Total values - Electronic card transactions A/S/T by division (Monthly)

Mark your selections and choose between table on screen and file format. [Help](#)
For variables marked ⊕ you need to select at least one value.

Actual/Seasonally Adjusted/Trend ⊕

Select all | Clear selection | ⊕ ⊖

Total: 3. Selected: 1

- Actual
- Seasonally adjusted
- Trend

Search Find ☐ Text start

Division ⊕

Select all | Clear selection | ⊕ ⊖

Total: 5. Selected: 1

- RTS total industries
- RTS core industries
- Total
- Credit
- Debit

Search Find ☐ Text start

Time ⊕

Select all | Clear selection | ⊕ ⊖

Total: 309. Selected: 1

- 2025M09
- 2025M08
- 2025M07
- 2025M06
- 2025M05
- 2025M04
- 2025M03

Search Find ☐ Text start

Quarterly Data

1. *unemployment_rate, employed_labour_force, labour_force_participation_rate_labour_cost_index*

Download link: <https://www.rbnz.govt.nz/statistics/series/economic-indicators/labour-market>

Download file: Labour market -M9 (1994-current) file

Data files



Labour market - M9 (1994-current)

XLSX | 23KB

A	B	C	M	N
	Unemployment rate	Labour force	Labour force participation rate	Labour cost index (LCI)
	(% s.a.)	Employed (000s s.a.)	(% s.a.)	(Index)
Notes				
Unit	%	000s	%	Index
Series Id	HLFS.Q.L06G001.ns	HLFS.Q.L01G001.ns	HLFS.Q.L05G001.ns	LCI.Q.W150T0.1a
Jun 2020	4.1	2,724	70.0	1218
Sep 2020	5.2	2,699	70.1	1225
Dec 2020	4.9	2,714	70.2	1230
Mar 2021	4.6	2,732	70.4	1235
Jun 2021	4.0	2,756	70.6	1244
Sep 2021	3.3	2,799	71.1	1254
Dec 2021	3.2	2,799	71.0	1262
Mar 2022	3.3	2,795	71.0	1272
Jun 2022	3.3	2,786	70.9	1286
Sep 2022	3.3	2,827	71.7	1300
Dec 2022	3.4	2,842	71.8	1314
Mar 2023	3.5	2,877	72.1	1327
Jun 2023	3.7	2,906	72.4	1341
Sep 2023	3.9	2,907	72.0	1356
Dec 2023	4.0	2,918	71.9	1370
Mar 2024	4.4	2,904	71.5	1382
Jun 2024	4.7	2,909	71.6	1398
Sep 2024	4.9	2,890	71.1	1407
Dec 2024	5.1	2,884	70.9	1415
Mar 2025	5.1	2,884	70.7	1422
Jun 2025	5.2	2,882	70.5	1431

2. *cpi, cpi_housing_household, cpi_qq, cpi_yy*

Download link: <https://www.rbnz.govt.nz/statistics/series/economic-indicators/prices>

Download file: Prices – M1(1988-current)

Data files



Prices - M1 (1988-current)

XLSX | 38KB

A	B	C	D	N
	Consumers price index (CPI)	Consumers price index (CPI)	Consumers price index (CPI)	Housing and household utilities
	(Index)	(q/q%)	(y/y%)	(Index)
Notes				
Unit	Index	%	%	Index
Series Id	CPI.Q.C.is	CPI.Q.C.isq	CPI.Q.C.isy	CPI.Q.C84.is
Jun 2020	1047	-0.5	1.5	1094
Sep 2020	1054	0.7	1.4	1101
Dec 2020	1059	0.5	1.4	1106
Mar 2021	1068	0.8	1.5	1116
Jun 2021	1082	1.3	3.3	1137
Sep 2021	1106	2.2	4.9	1167
Dec 2021	1122	1.4	5.9	1190
Mar 2022	1142	1.8	6.9	1212
Jun 2022	1161	1.7	7.3	1240
Sep 2022	1186	2.2	7.2	1269
Dec 2022	1203	1.4	7.2	1285
Mar 2023	1218	1.2	6.7	1298
Jun 2023	1231	1.1	6.0	1314
Sep 2023	1253	1.8	5.6	1336
Dec 2023	1259	0.5	4.7	1347
Mar 2024	1267	0.6	4.0	1357
Jun 2024	1272	0.4	3.3	1372
Sep 2024	1280	0.6	2.2	1398
Dec 2024	1287	0.5	2.2	1405
Mar 2025	1299	0.9	2.5	1415
Jun 2025	1306	0.5	2.7	1427
Sep 2025	1319	1.0	3.0	1447

3. *production_based_gdp, production_based_gdp_qq, production_based_gdp_yy*

Download link: <https://www.rbnz.govt.nz/statistics/series/economic-indicators/gross-domestic-product>

Expenditure-based GDP							Production-based GDP		
Date	(Nominal \$m)	(Nominal q/q% s.a.)	(Nominal y/y%)	(Real \$m)	(Real q/q% s.a.)	(Real y/y%)	(Real \$m)	(Real q/q% s.a.)	(Real y/y%)
Previous years:									
Jun 2023	102,575	2.5	8.3	72,153	1.0	3.0	69,577	0.8	2.7
Jun 2024	105,446	0.3	2.8	71,806	-0.8	-0.5	69,218	-0.9	-0.5
Quarterly:									
Sept 2024	103,037	0.3	1.8	68,890	-1.0	-1.6	68,989	-1.1	-1.8
Dec 2024	112,800	2.0	4.5	74,516	0.7	-1.0	72,677	0.4	-1.4
Mar 2025	110,356	1.8	4.6	72,411	1.2	0.2	69,365	0.9	-0.5
Jun 2025	109,910	0.1	4.2	71,818	-0.9	0.0	68,768	-0.9	-0.7