



Knowledge Discovery Process: Selection & Sampling

MBI304- Data Mining & Data Analytics

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XLMiner® Platform | solver x Data x +

www150.statcan.gc.ca/n1/en/type/data?MM=1

Search by vector

Filter results by ⓘ

Sort by date ▾ Apply ⓘ

Show 10 ▾ entries Apply

Keyword(s)

Search title, description, etc. 🔍

Census of Population

- Census (2422)

Subject

- Agriculture and food (634)
- Business and consumer services and culture (425)
- Business performance and ownership (873)
- Children and youth (372)
- Construction (368)

[More](#)

Geography


- Canada (4,669)
- Province or territory (3,429)
- Geographical region of Canada (682)

- [Statistics Canada's Trust Centre](#)
- [How to access microdata](#)
- [Customized products and services](#)

All (10,402)	Tables (9,761)	Profiles of a community or region (282)	Thematic maps (70)	Public use microdata (147)	Data Visualization (148)
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1. [Labour force characteristics by sex and detailed age group, monthly, unadjusted for seasonality](#)

Table: 14-10-0017-01 (formerly: CANSIM 282-0001)
Geography: Canada, Province or territory
Frequency: Monthly
Description: Number of persons in the labour force (employment and unemployment) and not in the labour force, unemployment rate, participation rate, and employment rate, by sex and detailed age...[More](#)
Release date: 2022-06-10



Labour force characteristics by sex and detailed age group, monthly, unadjusted for seasonality (x 1,000)1

Customize table

Geography : ²

Canada

Labour force characteristics :

Employment

Reference period

From: January 2022 To: May 2022

Apply

Add/Remove data

Download options

Didn't find what you're looking for? [View related tables, including other calculations and frequencies](#)

Showing 66 records Filter Reset

Geography ²		Canada (map)				
Labour force characteristics		Employment ³				
Sex	Age group	January 2022	February 2022	March 2022	April 2022	May 2022
		Persons				
	15 years and over	18,819.9	19,208.0	19,275.9	19,379.3	19,836.4
	15 to 24 years	2,289.3	2,434.3	2,468.4	2,471.4	2,739.5
	25 years and over	16,530.5	16,773.7	16,807.5	16,907.9	17,096.8
	25 to 44 years	8,534.8	8,680.0	8,707.2	8,756.1	8,862.2
	45 to 64 years	7,109.5	7,177.5	7,171.9	7,205.1	7,273.2
	45 years and over	7,995.7	8,093.7	8,100.3	8,151.9	8,234.6
	25 to 54 years	12,450.2	12,617.5	12,630.0	12,709.3	12,852.4
	55 years and over	4,080.3	4,156.3	4,177.6	4,198.6	4,244.5
	15 to 64 years	17,022.6	18,201.0	18,247.5	18,422.5	18,874.0



Unemployment Data of Canada from Jan2022 to May 2022

Release date: 2022-06-10

Geography: Canada, Province or territory

Customize table

Geography : ²

Labour force characteristics :

Reference period

Canada

Unemployment

From:

January

2022

To:

May

2022

Apply

Add/Remove data

Download options

Didn't find what you're looking for? [View related tables, including other calculations and frequencies](#)

Showing 66 records

Filter

Reset

Geography ²		Canada (map)				
Labour force characteristics		Unemployment ³				
Sex	Age group	January 2022	February 2022	March 2022	April 2022	May 2022
		Persons				
	15 years and over	1,369.4	1,160.4	1,171.7	1,126.2	1,071.7
	15 to 24 years	363.0	294.5	277.8	280.2	319.9
	25 years and over	1,006.4	865.9	893.9	846.0	751.8
	25 to 44 years	531.2	450.8	458.7	426.9	406.1
	45 to 64 years	409.3	354.8	373.9	363.5	300.7
	45 years and over	475.2	415.1	435.2	419.1	345.7

Downloading data as displayed

Geography : 2

Canada

Apply

Didn't find what you're looking for

Showing 66 records

Sex	Age group
	15 years and over
	15 to 24 years
	25 years and over
	25 to 44 years
	45 to 64 years
	45 years and over
	25 to 54 years
	55 years and over
	15 to 64 years

Download options

-  CSV
Download as displayed 5.42kB.
-  CSV
Download as displayed (excluding accompanying symbols).
-  CSV
Download as displayed (symbols separate).
-  CSV
Download selected data (for database loading).
-  CSV
Download cube metadata information, ~50kB.
-  CSV
Download entire table "Labour force characteristics by sex and detailed age group, monthly, unadjusted for seasonality"

Month: May 2022

Download options

	April 2022	May 2022
	1,126.2	1,071.7
	280.2	319.9
	846.0	751.8
	426.9	406.1
	363.5	300.7
	419.1	345.7
	591.1	554.7
	254.9	197.1
	1,070.6	1,026.7



Add/Remove Data

▼ Customize table (Add/Remove data)

Geography² Labour force characteristics Sex Age group Reference period Customize layout ⓘ

Filter Reset

1 of 11 items selected | [Clear all](#)

Select all items

Select specific levels only


— Canada [11124]

- Select all
- Newfoundland and Labrador [10]
- Prince Edward Island [11]
- Nova Scotia [12]
- New Brunswick [13]
- Quebec [24]
- Ontario [35]
- Manitoba [46]
- Saskatchewan [47]
- Alberta [48]
- British Columbia [59]

Estimated number of data points selected is 330.

Apply

Didn't find what you're looking for? [View related tables, including other calculations and frequencies](#)

 Download options



Employment Data Of British Columbia

Alberta [48]
 British Columbia [59]

Estimated number of data points selected is 660.

Apply

Didn't find what you're looking for? [View related tables, including other calculations and frequencies](#)

Download options

Showing 66 records

Filter

Reset

Geography ²		Canada (map)					British Columbia (map)				
Labour force characteristics		Employment ³					Employment ³				
Sex	Age group	January 2022	February 2022	March 2022	April 2022	May 2022	January 2022	February 2022	March 2022	April 2022	May 2022
		Persons									
	15 years and over	18,819.9	19,208.0	19,275.9	19,379.3	19,836.4	2,662.4	2,694.5	2,714.0	2,714.8	2,767.5
	15 to 24 years	2,289.3	2,434.3	2,468.4	2,471.4	2,739.5	339.6	349.7	354.5	350.6	374.6



Agriculture & Food Data

XLMiner® Platform | solver

Data

www150.statcan.gc.ca/n1/en/type/data?subject_levels=32%2C3205&p=1-All#all

Search by vector

Filter results by

Remove "Agriculture and food" filter 

Remove "Food" filter 

Clear all

Keyword(s)

Search title, description, etc.



Subject

Agriculture and food (141)

Food (141)

Diet and nutrition (24)

Food manufacturing (25)

Food production and availability (116)

[Less](#)

Geography

Canada (53)

Province or territory (41)

Geographical region of Canada (11)

Census division (3)

Sort by   **Apply**

Show entries **Apply**

- [Statistics Canada's Trust Centre](#)
- [How to access microdata](#)
- [Customized products and services](#)

All (141)	Tables (132)	Profiles of a community or region (0)	Thematic maps (9)	Public use microdata (0)	Data Visualization (0)
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11. [Food available in Canada](#)

Table: 32-10-0054-01 (formerly: CANSIM 002-0011)

Geography: Canada

Frequency: Annual

Description: Food available in Canada annually (in kilos per person per year). Data available on an annual basis.

Release date: 2022-05-31

12. [Stocks of specified dairy products](#)



Milled wheat and wheat flour produced (x 1,000)

XLMiner® Platform | solver x Milled wheat and wheat flour pro x +
www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=3210001601

Release date: 2022-05-25

Geography: Canada

Customize table

Reference period

From: December 2021 To: April 2022

Apply

Add/Remove data

Download options

Didn't find what you're looking for? [View related tables, including other calculations and frequencies](#)

Showing 3 records

Filter

Reset

Geography	Canada (map)				
Milled wheat and wheat flour produced	December 2021	January 2022	February 2022	March 2022	April 2022
	Metric tonnes				
Total wheat milled ¹	263	260	265	276	267
Total wheat flour produced ¹	198	201	198	208	204
Millfeeds produced ²	63	60	60	63	62



Data Filtration

The screenshot shows a web browser window with several tabs open: XLMiner® Platform | solver, Data, Chemical structure searching - Av, WebCSD - The Cambridge Crysta, and Biomat_dbase - Google Search. The address bar shows the URL: www150.statcan.gc.ca/n1/en/type/data?subject_levels=32%2C3205%2C320502&sort=releasedate.

Filter results by ⓘ

- Remove "Agriculture and food" filter ✕
- Remove "Food" filter ✕
- Remove "Diet and nutrition" filter ✕

Sort by date **Apply** ⓘ **Show** 10 entries **Apply**

Keyword(s)
Search title, description, etc. 🔍

Subject

- Agriculture and food (24)
 - Food (24)
 - Diet and nutrition (24)

Geography

- Canada (9)
- Province or territory (8)

Frequency

- Annual (2)
- Every 2 years (3)
- Every 4 years (4)

Results Summary:

- All (24)
- Tables (24)
- Profiles of a community or region (0)
- Thematic maps (0)
- Public use microdata (0)
- Data Visualization (0)

1. [Fruit and vegetable consumption, 5 times or more per day, by age group](#)
Table: 13-10-0096-12
Geography: Province or territory
Frequency: Occasional
Description: Number and percentage of persons eating fruits and vegetables five times or more per day, by age group and sex.
Release date: 2021-09-08

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Windows taskbar: 12:12, 13-06-2022, 41°C Partly sunny, ENG, 12 notifications.

Nutritional status of the household population(2015-2019)

Geography: Canada

▼ Customize table

Sex : Both sexes Statistics : Measure of central tendency Reference period : From: 2015 To: 2019

Apply

Add/Remove data Download options

Showing 18 records Filter Reset

Sex		Both sexes		
Statistics		Measure of central tendency		
Geography		Canada (map)		
Characteristics		Estimate		
Measures	Age group	2015	2017	2019
Micrograms per litre (µg/L)				
Ferritin (µg/L) ^{9, 10, 11, 12}	Ages 6 to 19	33	31	33
	Ages 20 to 79	75	76	77
Nanomoles per litre (nmol/L)				
Vitamin D (nmol/L) ^{13, 14, 15}	Ages 6 to 19	56.0	63.4	57.1
	Ages 20 to 79	50.4	68.1	66.0
per millilitre (ng/mL)				

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Windows taskbar: 41°C Partly sunny, 12:18 13-06-2022

Nutritional status of the household population (2009-2019)

XLMiner® Platform | solver x Nutritional status of the household population x Chemical structure searching - Av x WebCSD - The Cambridge Crystalline Database x Biomat_dbase - Google Search x

www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310033601&pickMembers%5B0%5D=3.1&pickMembers%5B1%5D=5.1&cubeTimeFrame.startYear=2009&cubeTimeFrame.endYear=2019&referen...

▼ Customize table

Sex : Both sexes Statistics : Measure of central tendency Reference period From: 2009 To: 2019

Apply

Add/Remove data Download options

Showing 18 records Filter Reset

Sex		Both sexes					
Statistics		Measure of central tendency					
Geography		Canada (map)					
Characteristics		Estimate					
Measures	Age group	2009	2011	2013	2015	2017	2019
Micrograms per litre (µg/L)							
Ferritin (µg/L) ^{9, 10, 11, 12}	Ages 6 to 19	..	42	36	33	31	33
	Ages 20 to 79	..	96	80	75	76	77
Nanomoles per litre (nmol/L)							
Vitamin D (nmol/L) ^{13, 14, 15}	Ages 6 to 19	70.6	65.1	60.8	56.0	63.4	57.1
	Ages 20 to 79	67.1	63.1	61.1	59.4	68.1	66.0
Nanograms per millilitre (ng/mL)							
Vitamin C (ng/mL) ^{14, 16}	Ages 6 to 19
	Ages 20 to 79

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Windows taskbar: 41°C Partly sunny 12:20 13-06-2022

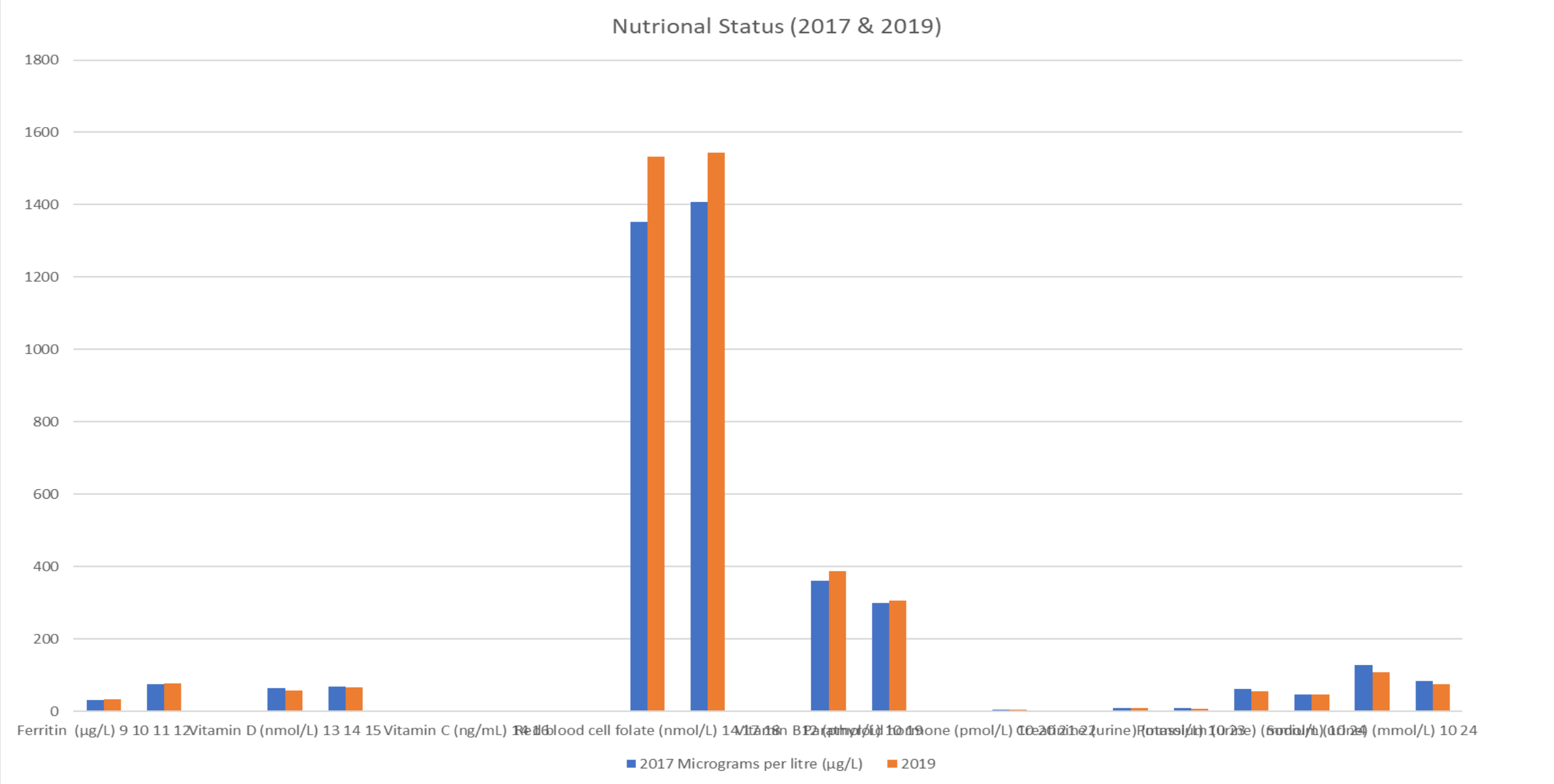
Nutrition status (in different age group)

Measures	Age group	2017	2019
Micrograms per litre (µg/L)			
Ferritin (µg/L) ^{9, 10, 11, 12}	Ages 6 to 19	31	33
	Ages 20 to 79	76	77
Nanomoles per litre (nmol/L)			
Vitamin D (nmol/L) ^{13, 14, 15}	Ages 6 to 19	63.4	57.1
	Ages 20 to 79	68.1	66.0
Nanograms per millilitre (ng/mL)			
Vitamin C (ng/mL) ^{14, 16}	Ages 6 to 19
	Ages 20 to 79
Nanomoles per litre (nmol/L)			
Red blood cell folate (nmol/L) ^{14, 17, 18}	Ages 6 to 19	1,352	1,533
	Ages 20 to 79	1,407	1,543
Picomoles per litre			
Vitamin B12 (pmol/L) ^{10, 19}	Ages 6 to 19	360	387
	Ages 20 to 79	299	306
Parathyroid hormone (pmol/L) ^{10, 20, 21, 22}	Ages 6 to 19	3.5	3.4
	Ages 20 to 79	4.1	4.1
Millimoles per litre			
Creatinine (urine) (mmol/L) ^{10, 23}	Ages 6 to 19	9.9	9.2
	Ages 20 to 79	8.5	7.9
Potassium (urine) (mmol/L) ^{10, 24}	Ages 6 to 19	61	56
	Ages 20 to 79	47	46

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Nutritional status of the household population (2017-2019)



Searching in CSD database

XLMiner® Platform | solver x | Milled wheat and wheat flour pro x | Search - The Cambridge Crystall... x +

ccdc.cam.ac.uk/search/?q=water&ncformfield=&__ncforminfo=Hc8GpZwTV9d1Kxw9vB2wPRIbbkk38XI9K6R7z7gvDx2O3MbpwCZ89fVe_oF2NRJ7kSkcCNp0JKSF9EkJLHdhYw%3D%3D

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water

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Results 1–10 of 82 for query water

GOLD docking in API - ligand flexibility, water handling and more
... a docking run fully programmatically, including: water handling, side chain flexibility, pharmacophore constraints, plus additional GOLD docking configuration flags ...
[Blogs](http://www.ccdc.cam.ac.uk/Community/blog/gold-docking-python-api/) <http://www.ccdc.cam.ac.uk/Community/blog/gold-docking-python-api/>

RE: how to change HbondCoordination settings?
... Water H-bond coordination type, molecular to the Na + and the water molecule closest to the center of mass for each configuration. firstcallonline ...
[Forums](http://www.ccdc.cam.ac.uk/forum/csd_python_api/Crystallography/d7d8136e-9fbf-e911-bdb3-005056975d8a#2161497a-85ca-eb11-9690-00505695c114) http://www.ccdc.cam.ac.uk/forum/csd_python_api/Crystallography/d7d8136e-9fbf-e911-bdb3-005056975d8a#2161497a-85ca-eb11-9690-00505695c114

Other than the library size, are there any other major factors that influence the docking time?
... chains or explicit water molecules will take longer) the number of GA runs per ligand whether or not "allow early termination" is switched on the chosen GA ...
[Help Desk](http://www.ccdc.cam.ac.uk/support-and-resources/support/case/?caseid=71b82a1e-b4b3-4a5c-b5e2-c9c5110ee13f) <http://www.ccdc.cam.ac.uk/support-and-resources/support/case/?caseid=71b82a1e-b4b3-4a5c-b5e2-c9c5110ee13f>

Why is it not possible to return the crystallographic binding pose of the ligand?
... being docked. Water mediated hydrogen bonding is important and all the waters have been removed during protein preparation. If so, identify and extract important ...
[Help Desk](http://www.ccdc.cam.ac.uk/support-and-resources/support/case/?caseid=f82e1fcd-c968-45cd-b59e-e14db1385cb2) <http://www.ccdc.cam.ac.uk/support-and-resources/support/case/?caseid=f82e1fcd-c968-45cd-b59e-e14db1385cb2>

Can GOLD handle metals?

GOLD docking in API - ligand flexibility, water handling and more



Ilenia Giangreco – [July 15, 2021](#)

More advanced settings are now available when docking with GOLD programmatically through the API. Here's what has changed in the 2021.1 release.

Docking with GOLD - genetically optimised ligand docking - is well validated and trusted across academia and industry. The ability to perform docking programmatically through the API further opens this functionality for computational chemists to use GOLD docking in workflows. Previously some advanced features in GOLD were only accessible in the graphical user interface Hermes, but in this release they are now accessible in the API.

You can now configure a docking run fully programmatically, including: water handling, side chain flexibility, pharmacophore constraints, plus additional GOLD docking configuration flags.



Which parameters can be controlled in the GOLD API?

It is now possible to specify water molecules that are important to ligand binding.

Search Blogs

This blog ▾



Topics

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Chemical Crystallography Group	1
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References

- <https://www150.statcan.gc.ca/n1/en/type/data?MM=1>
- CSD database
- <https://www.ccdc.cam.ac.uk/solutions/csd-core/components/webcsd/>