

Exoplanet Database

Study of Exoplanets, the stars that the planets orbit and the observatories that discovered them

Data derived from NASA's Science Mission Directorate and various online data repositories about stars



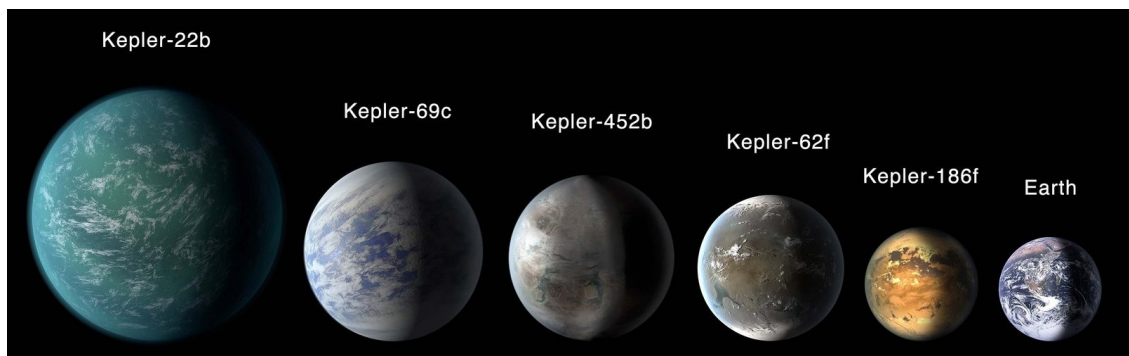
What are exoplanets? Planets that orbit other stars in our galaxy

How Big of a Database Is Required?

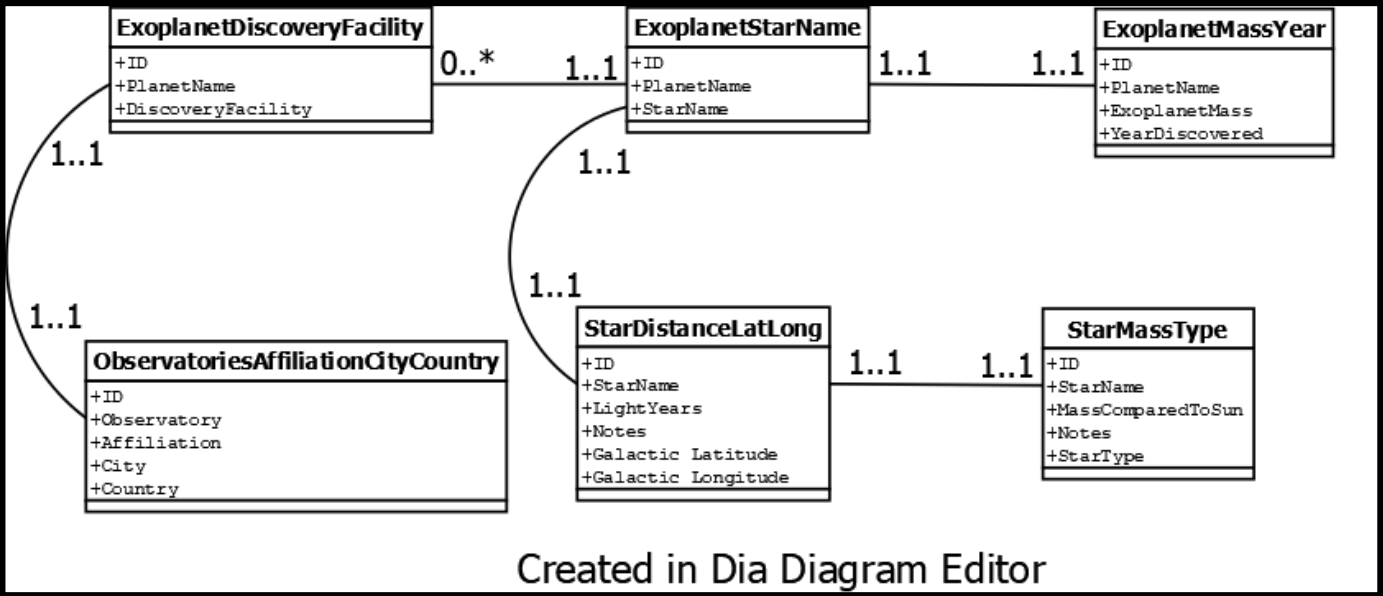
**Current confirmed exoplanets:
5,220 (as of Dec 7, 2022)**

**Approximate number of stars in
galaxy:
250 billion**

**Approximate number of
exoplanets (assuming 5 planets
per star):
1.25 trillion exoplanets**



Relational Model



Normalization

Initial Star Table

StarName	LightYears	Galactic Latitude	Galactic Longitude	MassComparedToSun	StarType
11 Com	303.325	78.2805316	264.142395019531	2.7	G8III
24 Sex	235.05797	44.71563108	245.0850262	1.54	K0IV
XO-1	536	48.02124	45.85302	1.027	G1V
2MASS J04372171+2651014	419.06	-13.44593	172.81975	0.17	MV
2MASS J01225093-2439505	110.333	-82.5199	195.45385	0.353185	M3.5V
2MASS J02192210-3925225	130.75	-67.98402	252.45343	0.240111	M6+L4
2MASS J04414489+2301513	392.77	-15.11435	176.51065	0.201559	M8.7

Star Table 1

Distance & Location in Galaxy

ID	StarName	LightYears	Notes	Galactic Latitude	Galactic Longitude
stardist1	11 Com	303.325		78.2805316	264.142395019531
stardist10	24 Sex	235.057966		44.71563108	245.0850262
stardist100	XO-1	536		48.02124	45.85302
stardist11	2MASS J04372171+2651014	419.06		-13.44593	172.81975
stardist12	2MASS J01225093-2439505	110.333		-82.5199	195.45385
stardist13	2MASS J02192210-3925225	130.75		-67.98402	252.45343
stardist14	2MASS J04414489+2301513	392.77		-15.11435	176.51065

Star Table 2

Mass & Type

ID	StarName	MassComparedToSun	Notes	StarType
starmass1	11 Com	2.7		G8III
starmass10	24 Sex	1.54		K0IV
starmass100	XO-1	1.027		G1V
starmass11	2MASS J04372171+2651014	0.17		MV
starmass12	2MASS J01225093-2439505	0.353185		M3.5V
starmass13	2MASS J02192210-3925225	0.240111		M6+L4
starmass14	2MASS J04414489+2301513	0.201559		M8.7

Normalization

Initial Exoplanet Table

PlanetName	StarName	PlanetName	Exoplanet Mass	YearDiscovery
11 Com b	11 Com	11 Com b	6165	2007
11 UMi b	11 Umi	11 UMi b	4685	2009
14 And b	14 And	14 And b	1525	2008
14 Her b	14 Her	14 Her b	1440	2002
16 Cyg B b	16 Cyg B	16 Cyg B b	533	1996
17 Sco b	17 Sco	17 Sco b	1373	2020

Exoplanet Table 1 Planet & Associated Star

ID	PlanetName	StarName
exostar1	11 Com b	11 Com
exostar2	11 UMi b	11 Umi
exostar3	14 And b	14 And
exostar4	14 Her b	14 Her
exostar5	16 Cyg B b	16 Cyg B
exostar6	17 Sco b	17 Sco

Star Table 2 Mass & Year of Discovery

ID	PlanetName	Exoplanet Mass	YearDiscovery
exomass1	11 Com b	6165	2007
exomass2	11 UMi b	4685	2009
exomass3	14 And b	1525	2008
exomass4	14 Her b	1440	2002
exomass5	16 Cyg B b	533	1996
exomass6	17 Sco b	1373	2020

Normalization

Initial Observatories Table

PlanetName	DiscoveryFacility	Observatory	Affiliation	City	Country
DP Leo b	Yunnan Astronomical Observatory	Yunnan Astronomical Observatory	Chinese Academy of Sciences	Kumming	China
XO-1 b	XO Telescope	XO Telescope	University of Hawaii	Haleakalā	USA
11 Com b	Xinglong Station	Xinglong Station	Nat Astromical Observatories of China	Cangzhou	China
NY Vir c	Winer Observatory	Winer Observatory	Irvin Marvin Winer Memorial Mobile Observatory, Inc.	Sonoita	USA
BD+60 1417 b	Wide-field Infrared Survey Explorer (WISE) Sat	Wide-field Infrared Survey Explorer (WISE) Sat	NASA	Low Earth Orbit	Earth
14 Her b	W. M. Keck Observatory	W. M. Keck Observatory	UC & CalTech	Maunakea	USA

Observatories Table 1 Exoplanet and Discovery Facility

ID	PlanetName	DiscoveryFacility
exodisc77	DP Leo b	Yunnan Astronomical Observatory
exodisc115	XO-1 b	XO Telescope
exodisc1	11 Com b	Xinglong Station
exodisc103	NY Vir c	Winer Observatory
exodisc59	BD+60 1417 b	Wide-field Infrared Survey Explorer (WISE) Sat
exodisc4	14 Her b	W. M. Keck Observatory

Observatories Table 2 Observatory, Affiliation, City & Country

ID	Observatory	Affiliation	City	Country
observ22	Yunnan Astronomical Observatory	Chinese Academy of Sciences	Kumming	China
observ56	XO Telescope	University of Hawaii	Haleakalā	USA
observ1	Xinglong Station	Nat Astromical Observatories of China	Cangzhou	China
observ44	Winer Observatory	Irvin Marvin Winer Memorial Mobile Observatory, Inc.	Sonoita	USA
observ17	Wide-field Infrared Survey Explorer (WISE) Sat	NASA	Low Earth Orbit	Earth
observ4	W. M. Keck Observatory	UC & CalTech	Maunakea	USA

SQL to Create Tables

```
create table ObservatoriesAffiliationCityCountry (  
    ID Char(25) NOT NULL,  
    Observatory Char(50) NOT NULL,  
    Affiliation Char(50) NOT NULL,  
    City Char(50) NOT NULL,  
    Country Char(50) NOT NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```

```
create table StarDistanceLatLong (  
    ID Char(25) NOT NULL,  
    StarName Char(50) NOT NULL,  
    LightYears Real NOT NULL,  
    GalacticLatitude Real NOT NULL,  
    GalacticLongitude Real NOT NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```

```
create table StarMassType (  
    ID Char(25) NOT NULL,  
    StarName Char(50) NOT NULL,  
    MassComparedToSun Real NOT NULL,  
    StarType Char(10) NOT NULL,  
    Notes Char(100) NOT NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```

SQL to Create Tables (continued)

```
create table ExoplanetDiscoveryFacility (  
    ID          Char(25) NOT NULL,  
    PlanetName   Char(50) NOT  
NULL,  
    DiscoveryFacility Char(50) NOT  
NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```

```
create table ExoplanetMassYear (  
    ID          Char(25) NOT NULL,  
    PlanetName Char(50) NOT NULL,  
    ExoplanetMass Real NOT NULL,  
    YearDiscovered Real NOT NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```

```
create table ExoplanetStarName (  
    ID Char(25) NOT NULL,  
    PlanetName Char(50) NOT NULL,  
    StarName Char(50) NOT NULL,  
    CONSTRAINT PK PRIMARY KEY(ID)  
);
```


SQL to Insert Data

ExoplanetDiscoveryFacility Table:

```
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc77', 'DP Leo b',  
'Yunnan Astronomical Observatory');  
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc115', 'XO-1 b', 'XO  
Telescope');  
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc1', '11 Com b',  
'Xinglong Station');  
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc103', 'NY Vir c',  
'Winer Observatory');  
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc59', 'BD+60  
1417 b', 'Wide-field Infrared Survey Explorer (WISE) Sat');  
INSERT INTO ExoplanetDiscoveryFacility VALUES ('exodisc4', '14 Her b', 'W.  
M. Keck Observat
```

ExoplanetMassYear Table:

```
INSERT INTO ExoplanetMassYear VALUES ('exomass1', '11 Com b', '6165',  
'2007');  
INSERT INTO ExoplanetMassYear VALUES ('exomass2', '11 UMi b', '4685',  
'2009');  
INSERT INTO ExoplanetMassYear VALUES ('exomass3', '14 And b', '1525',  
'2008');  
INSERT INTO ExoplanetMassYear VALUES ('exomass4', '14 Her b', '1440',  
'2002');  
INSERT INTO ExoplanetMassYear VALUES ('exomass5', '16 Cyg B b', '533',  
'1996');  
INSERT INTO ExoplanetMassYear VALUES ('exomass6', '17 Sco b', '1373',  
'2020');
```

SQL to Insert Data

ExoplanetStarName Table:

```
INSERT INTO ExoplanetStarName VALUES ('exostar1', '11 Com b', '11 Com');
INSERT INTO ExoplanetStarName VALUES ('exostar2', '11 UMi b', '11 Umi');
INSERT INTO ExoplanetStarName VALUES ('exostar3', '14 And b', '14 And');
INSERT INTO ExoplanetStarName VALUES ('exostar4', '14 Her b', '14 Her');
INSERT INTO ExoplanetStarName VALUES ('exostar5', '16 Cyg B b', '16 Cyg B');
INSERT INTO ExoplanetStarName VALUES ('exostar6', '17 Sco b', '17 Sco');
```

ObservatoriesAffiliationCityCountry Table:

```
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ22', 'Yunnan
Astronomical Observatory', 'Chinese Academy of Sciences', 'Kumming', 'China');
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ56',
'XO Telescope', 'University of Hawaii', 'Haleakalā', 'USA');
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ1', 'Xinglong
Station', 'Nat Astromical Observatories of China', 'Cangzhou', 'China');
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ44',
'Winer Observatory', 'Irvin Marvin Winer Memoral Mobile Obervatory
Inc.', 'Sonoita', 'USA');
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ17',
'Wide-field Infrared Survey Explorer (WISE) Sat', 'NASA', 'Low Earth
Orbit', 'Earth');
INSERT INTO ObservatoriesAffiliationCityCountry VALUES ('observ4', 'W. M.
Keck Observatory', 'UC & CalTech', 'Maunakea', 'USA');
```

SQL to Insert Data

StarDistanceLatLong table:

```
INSERT INTO StarDistanceLatLong VALUES ('stardist1', '11 Com', '303.325', '', '78.2805316', '264.142395019531');
INSERT INTO StarDistanceLatLong VALUES ('stardist10', '24 Sex', '235.057966', '', '44.71563108', '245.0850262');
INSERT INTO StarDistanceLatLong VALUES ('stardist100', 'XO-1', '536', '', '48.02124', '45.85302');
INSERT INTO StarDistanceLatLong VALUES ('stardist11', '2MASS J04372171+2651014', '419.06', '', '-13.44593', '172.81975');
INSERT INTO StarDistanceLatLong VALUES ('stardist12', '2MASS J01225093-2439505', '110.333', '', '-82.5199', '195.45385');
INSERT INTO StarDistanceLatLong VALUES ('stardist13', '2MASS J02192210-3925225', '130.75', '-67.98402', '252.45343');
```

StarMassType table:

```
INSERT INTO StarMassType VALUES ('starmass1', '11 Com', '2.7', '', 'G8III');
INSERT INTO StarMassType VALUES ('starmass10', '24 Sex', '1.54', '', 'K0IV');
INSERT INTO StarMassType VALUES ('starmass100', 'XO-1', '1.027', '', 'G1V');
INSERT INTO StarMassType VALUES ('starmass11', '2MASS J04372171+2651014', '0.17', '', 'MV');
INSERT INTO StarMassType VALUES ('starmass12', '2MASS J01225093-2439505', '0.353185', '', 'M3.5V');
INSERT INTO StarMassType VALUES ('starmass13', '2MASS J02192210-3925225', '0.240111', '', 'M6+L4');
```

SQL for Inner Joins

6 tables:

```
SELECT StarDistanceLatLong.StarName, StarDistanceLatLong.LightYears,
ExoplanetStarName.PlanetName, ExoplanetDiscoveryFacility.DiscoveryFacility,
ObservatoriesAffiliationCityCountry.Country, ExoplanetMassYear.YearDiscovery,
StarMassType.StarType
FROM (((((StarDistanceLatLong
INNER JOIN ExoplanetStarName
ON StarDistanceLatLong.StarName = ExoplanetStarName.StarName)
INNER JOIN ExoplanetDiscoveryFacility
ON ExoplanetDiscoveryFacility.PlanetName = ExoplanetStarName.PlanetName)
INNER JOIN ObservatoriesAffiliationCityCountry
ON ExoplanetDiscoveryFacility.DiscoveryFacility =
ObservatoriesAffiliationCityCountry.Observatory)
INNER JOIN ExoplanetMassYear
ON ExoplanetStarName.PlanetName = ExoplanetMassYear.PlanetName)
INNER JOIN StarMassType
ON ExoplanetStarName.StarName = StarMassType.StarName)
;
```

StarName	LightYears	PlanetName	DiscoveryFacility	Country	YearDiscovery	StarType
11 Com	303.325	11 Com b	Xinglong Station	China	2007	G8III
2MASS J19383260+4603591	1293	2MASS J19383260+46035	Kepler Space Telescope	Earth-trailing	2015	sdBV
BD+63 1405	124.09	BD+63 1405 b	Haute-Provence Observatory	France	2021	K0D
BD-00 4475	139.23	BD-00 4475 b	Haute-Provence Observatory	France	2021	G0
BD+55 362	171.7211	BD+55 362 b	Haute-Provence Observatory	France	2021	K3
BD+45 564	175.14	BD+45 564 b	Haute-Provence Observatory	France	2021	K1
51 Peg	50.1	51 Peg b	Haute-Provence Observatory	France	1995	G45
55 Cnc	40	55 Cnc c	McDonald Observatory	USA	2004	G8V
BD+14 4559	161.2	BD+14 4559 b	McDonald Observatory	USA	2009	K2V
BD+15 2940	1538.4717	BD+15 2940 b	McDonald Observatory	USA	2013	K0
BD+20 2457	5400	BD+20 2457 b	McDonald Observatory	USA	2009	K2II
BD+20 274	3545.1739	BD+20 274 b	McDonald Observatory	USA	2012	K5
55 Cnc	40	55 Cnc e	McDonald Observatory	USA	2004	G8V
BD+48 738	2657.7246	BD+48 738 b	McDonald Observatory	USA	2011	K0III
BD+49 828	1331.249	BD+49 828 b	McDonald Observatory	USA	2015	K0
7 Cma	64.4195	7 Cma b	Anglo-Australian Telescope	Australia	2011	K1III

SQL Query Min/Max/Avg

Min/Max/Avg:

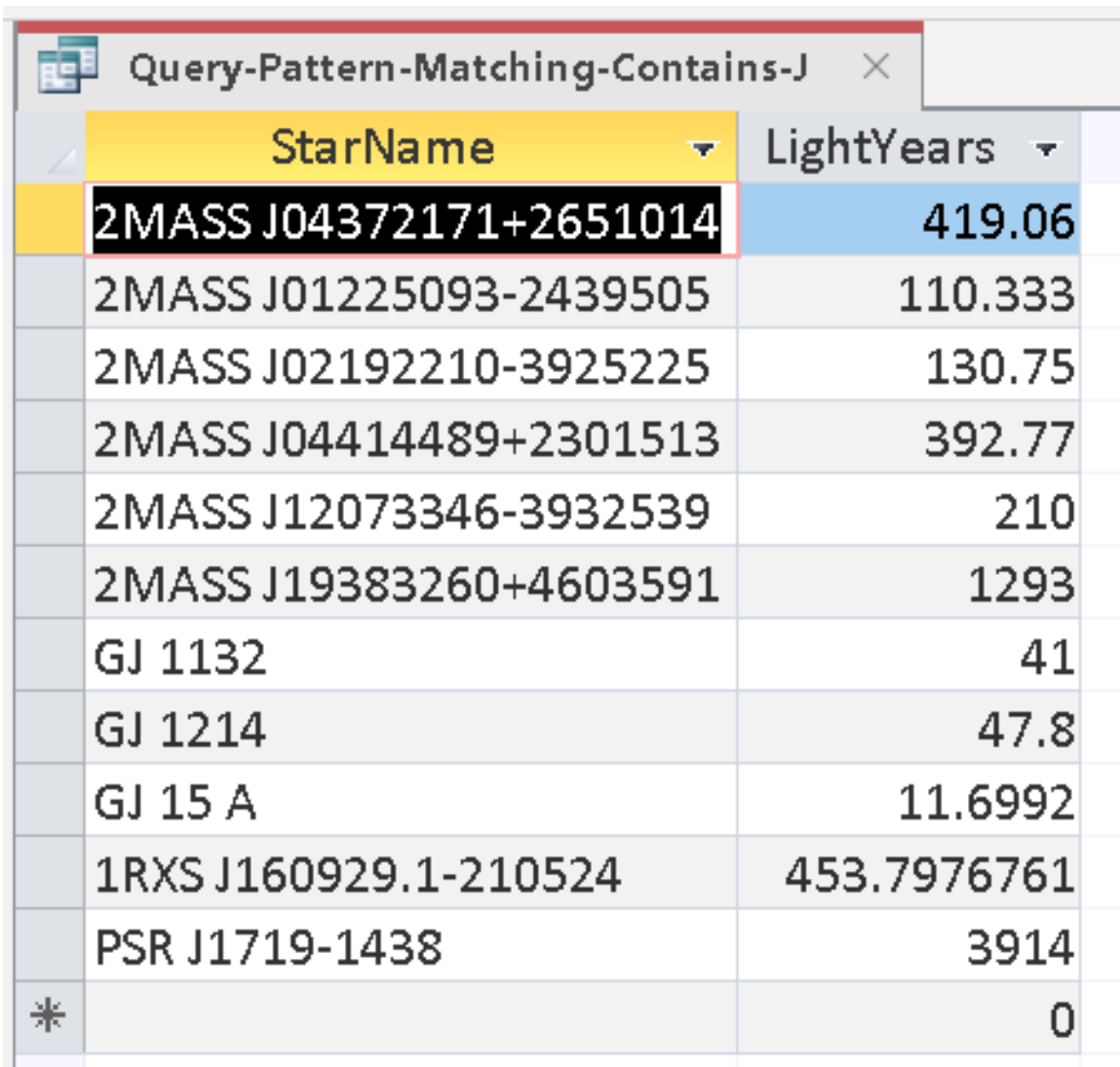
```
SELECT AVG(LightYears) AS AverageLightYears,  
MAX(LightYears) AS StarFurtherest, MIN(LightYears)  
AS ClosestToEarth  
FROM StarDistanceLatLong;
```

AverageLightYears	StarFurtherest	ClosestToEarth
1484.646649561	20548	11.6992

SQL Query Pattern Matching

Pattern Matching:

```
SELECT StarName, LightYears  
FROM StarDistanceLatLong  
WHERE StarName LIKE '*J*';
```



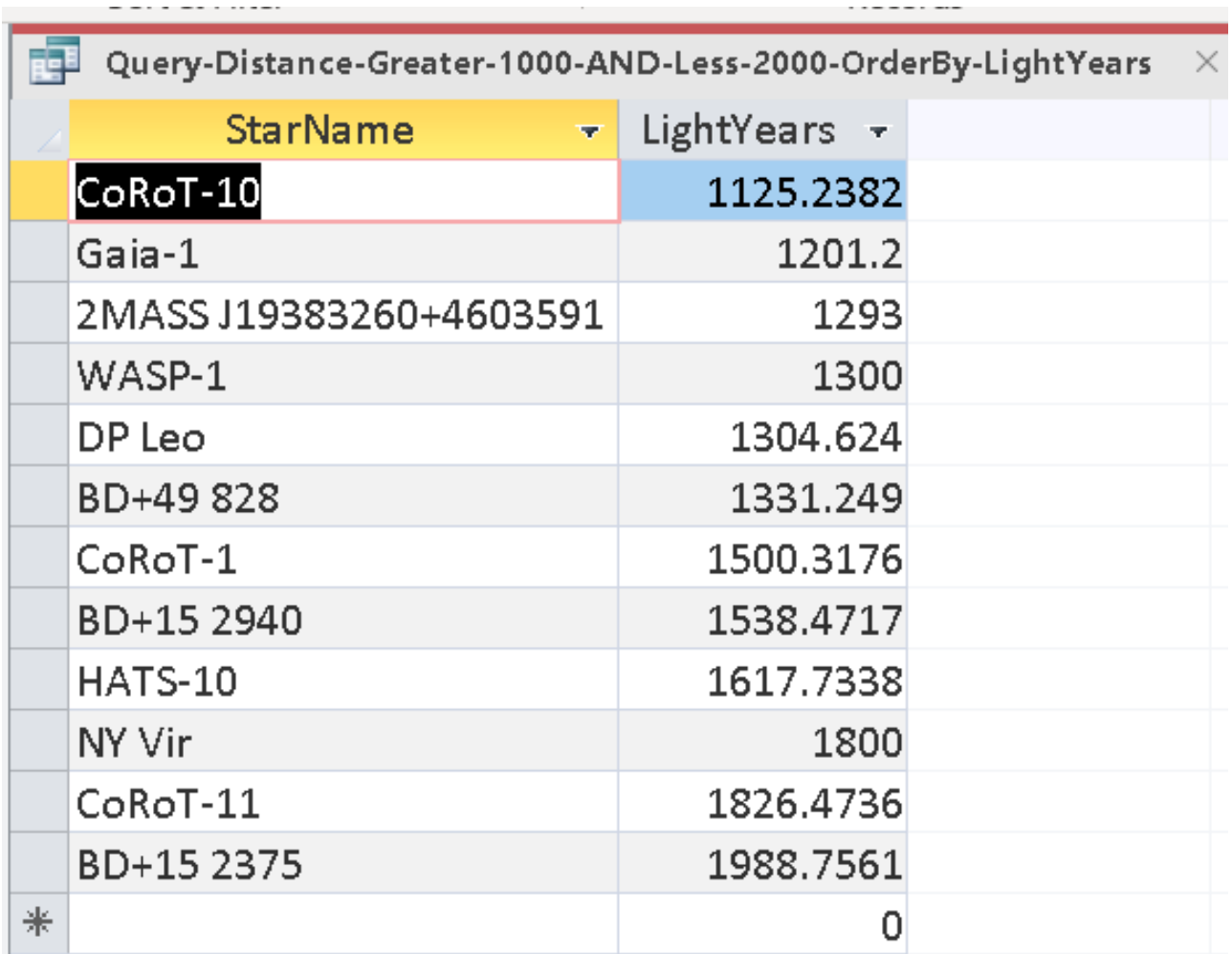
Query-Pattern-Matching-Contains-J

StarName	LightYears
2MASS J04372171+2651014	419.06
2MASS J01225093-2439505	110.333
2MASS J02192210-3925225	130.75
2MASS J04414489+2301513	392.77
2MASS J12073346-3932539	210
2MASS J19383260+4603591	1293
GJ 1132	41
GJ 1214	47.8
GJ 15 A	11.6992
1RXS J160929.1-210524	453.7976761
PSR J1719-1438	3914
*	0

SQL Query AND Statement

AND statement:

```
SELECT StarName, LightYears  
FROM StarDistanceLatLong  
WHERE LightYears >= 1000 AND LightYears <= 2000  
ORDER BY LightYears;
```

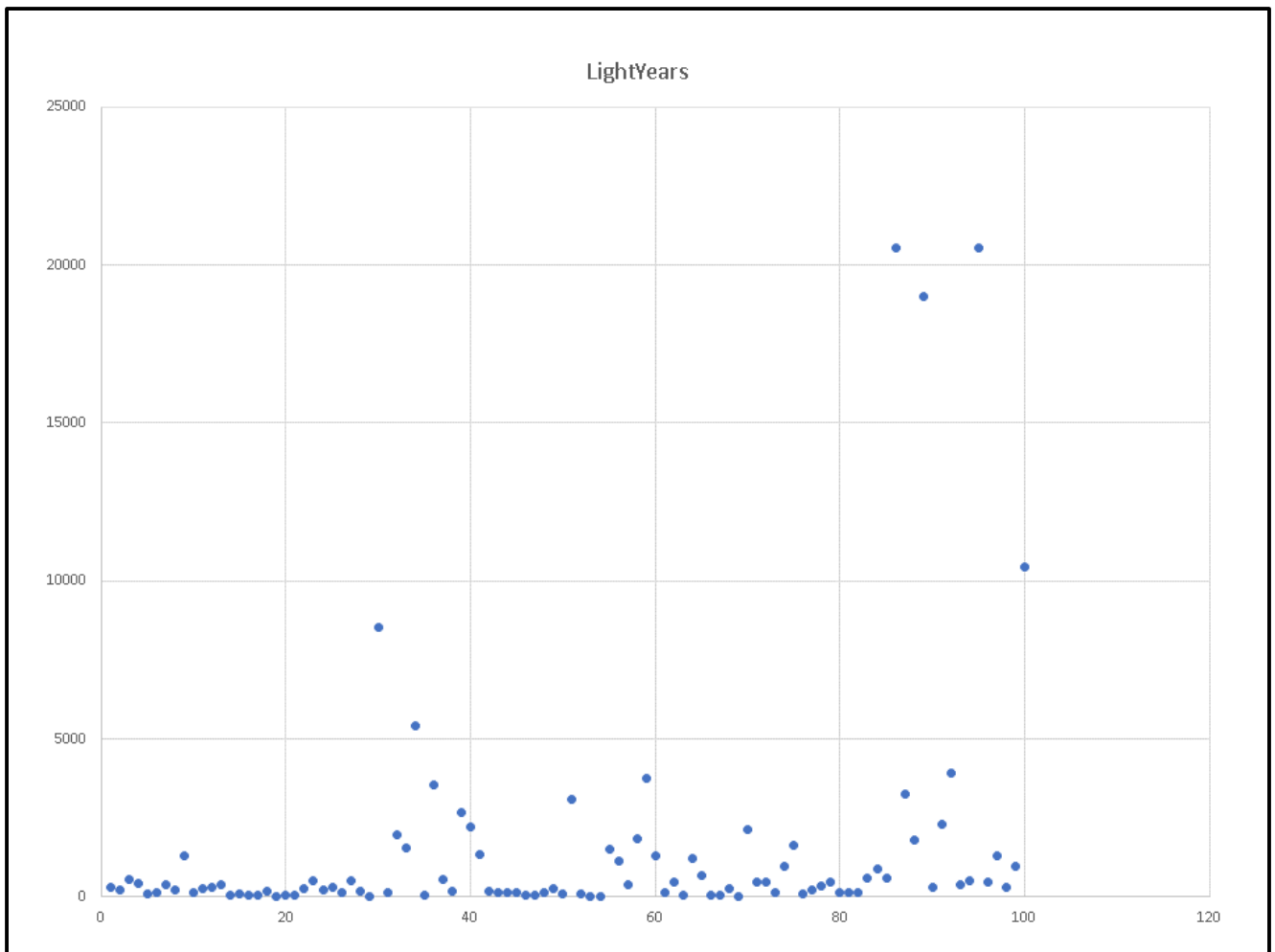


Query-Distance-Greater-1000-AND-Less-2000-OrderBy-LightYears

StarName	LightYears
CoRoT-10	1125.2382
Gaia-1	1201.2
2MASS J19383260+4603591	1293
WASP-1	1300
DP Leo	1304.624
BD+49 828	1331.249
CoRoT-1	1500.3176
BD+15 2940	1538.4717
HATS-10	1617.7338
NY Vir	1800
CoRoT-11	1826.4736
BD+15 2375	1988.7561
*	0

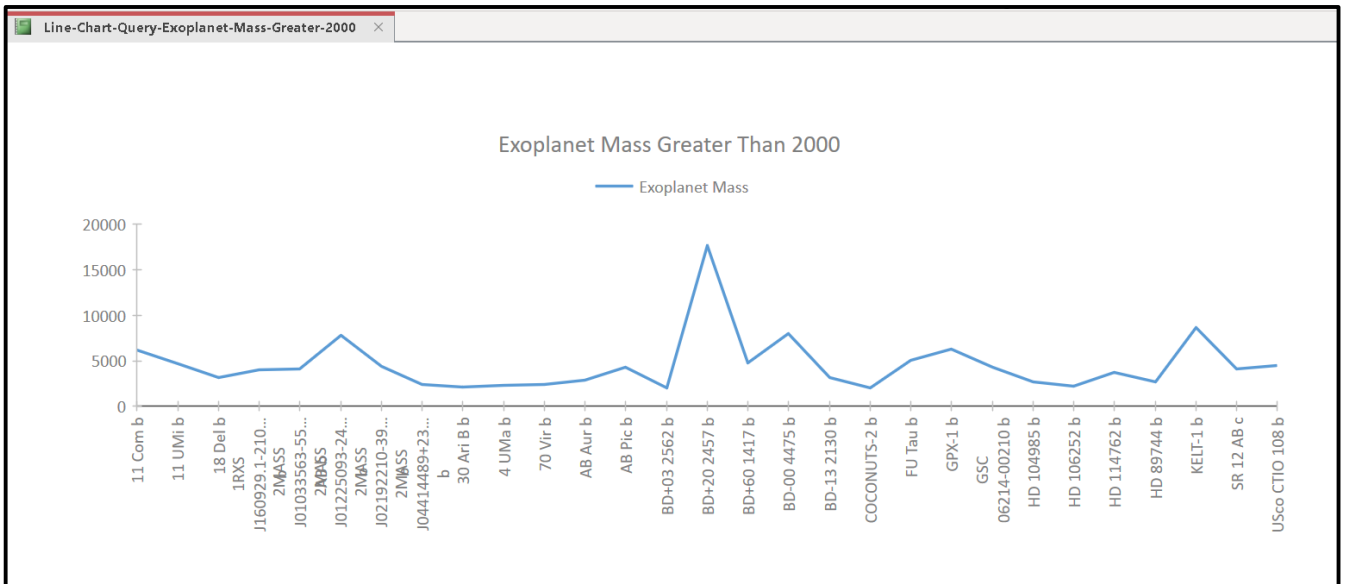
Distance From Earth in Light Years

Scatter Graph from Excel



Report in Access

Line Chart



Report in Access

Query for Planets Discovered in 2009

ID	PlanetName	Exoplanet Mass	YearDiscovery
exomass2	11 UMi b	4685	2009
exomass19	30 Ari B b	2097.678	2009
exomass24	47 UMa d	521.22	2009
exomass33	61 Vir b	5.11704	2009
exomass34	61 Vir c	18.2	2009
exomass35	61 Vir d	22.9	2009
exomass48	BD+14 4559 b	330.5432	2009
exomass51	BD+20 2457 b	17668.17	2009
exomass64	BD-08 2823 b	12.7132	2009
exomass65	BD-08 2823 c	104	2009
exomass77	DP Leo b	1995.888	2009

Research

Additional Relational Database Systems

Dbeaver with SQLite

phpMyAdmin with MariaDB

Dbeaver front end with SQLite database back end



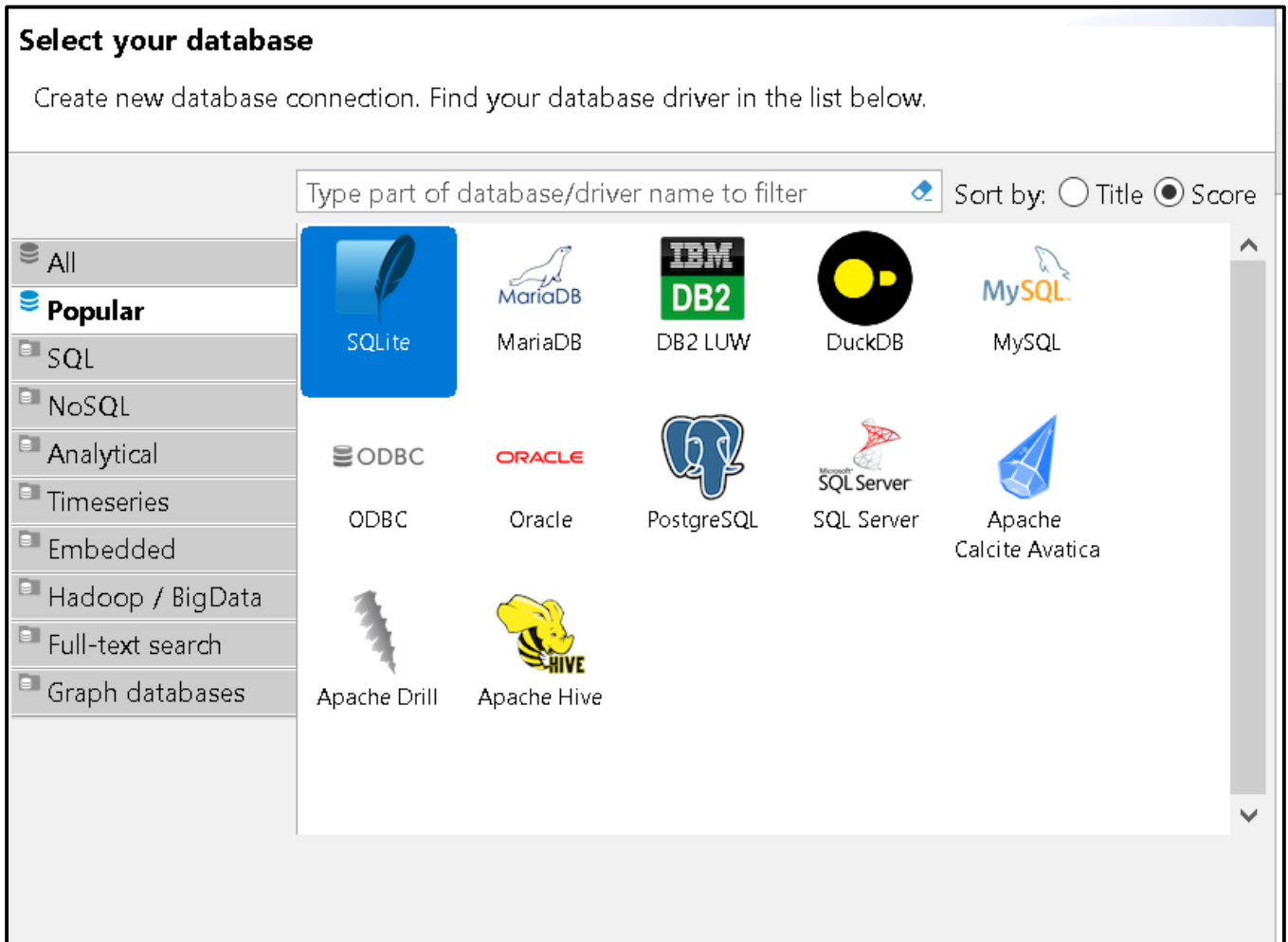
DBeaver Community

Free Universal Database Tool



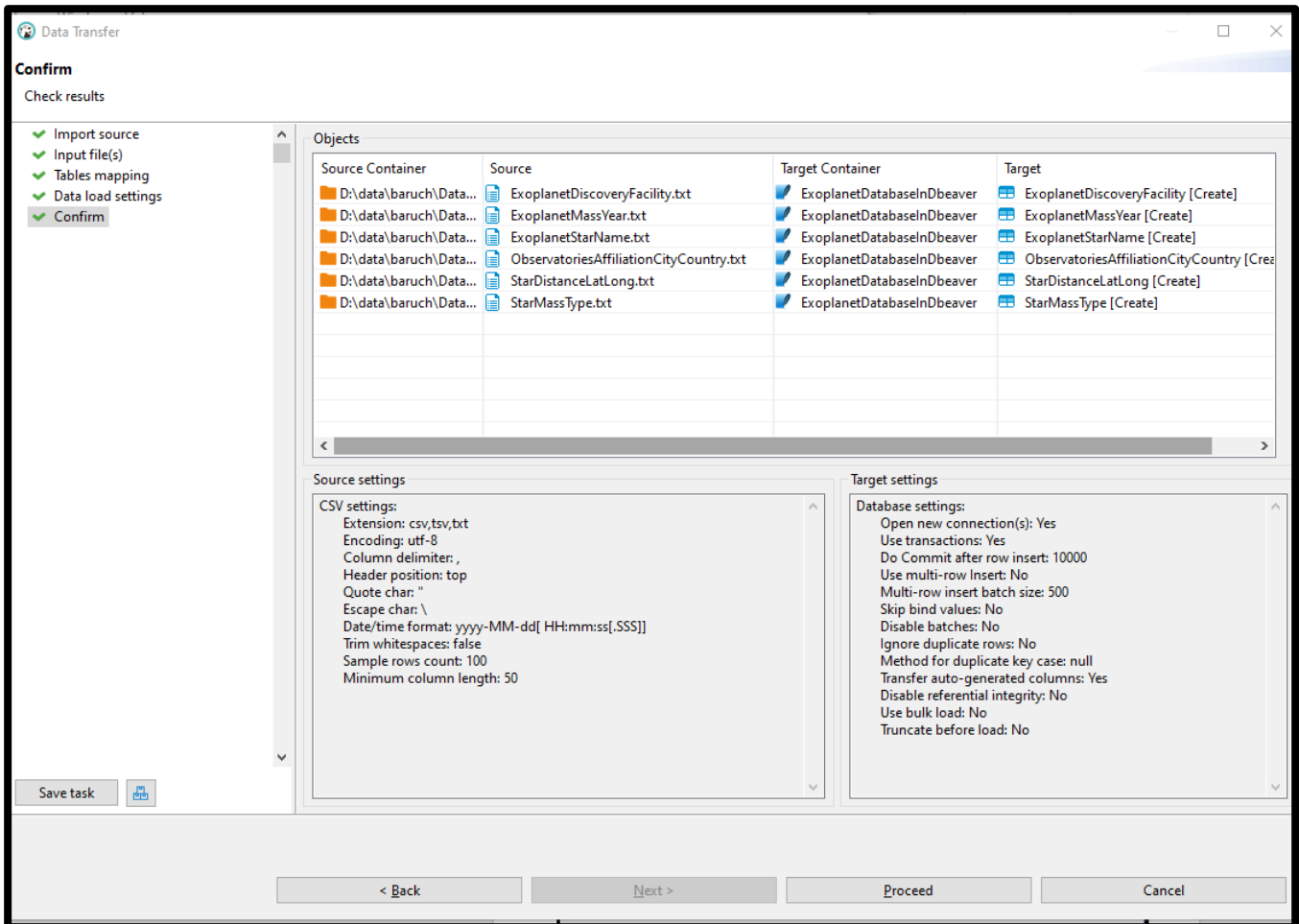
SQLite

Dbeaver allows admin to select database engine



Examples are:
SQLite, MariaDB, DB2, DuckDB,
MySQL, ODBC, Oracle,
PostgreSQL, SQL Server, Apache
Calcite/Drill/Hive

Confirming Import



All Tables Imported

The screenshot displays the DBeaver 22.2.5 interface. The left sidebar shows the 'Database Navigator' with a tree view of the 'ExoplanetDatabaseInDbeaver' database. Under the 'Tables' folder, several tables are listed and highlighted in yellow: 'ExoplanetDiscoveryFacility', 'ExoplanetMassYear', 'ExoplanetStarName', 'ObservatoriesAffiliationCityCountry', 'StarDistanceLatLong', and 'StarMassType'. The main window shows the 'Properties' tab for the 'StarMassType' table. The 'Table Name' is 'StarMassType' and the 'Table Description' is empty. Below this, a 'Columns' table lists the table's structure:

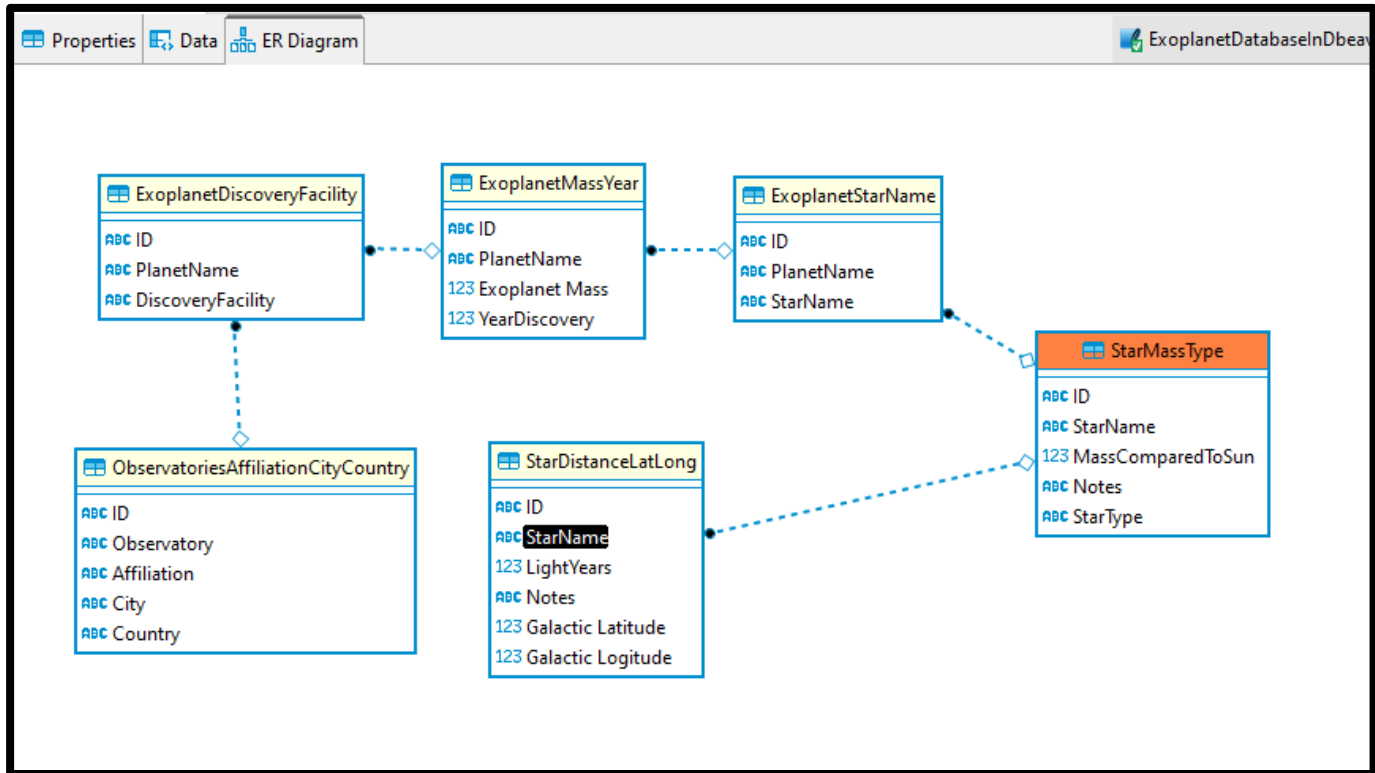
Column Name	#	Data Type
ABC ID	1	VARCHAR
ABC StarName	2	VARCHAR
123 MassCompare...	3	REAL
ABC Notes	4	VARCHAR
ABC StarType	5	VARCHAR

Table Data Imported

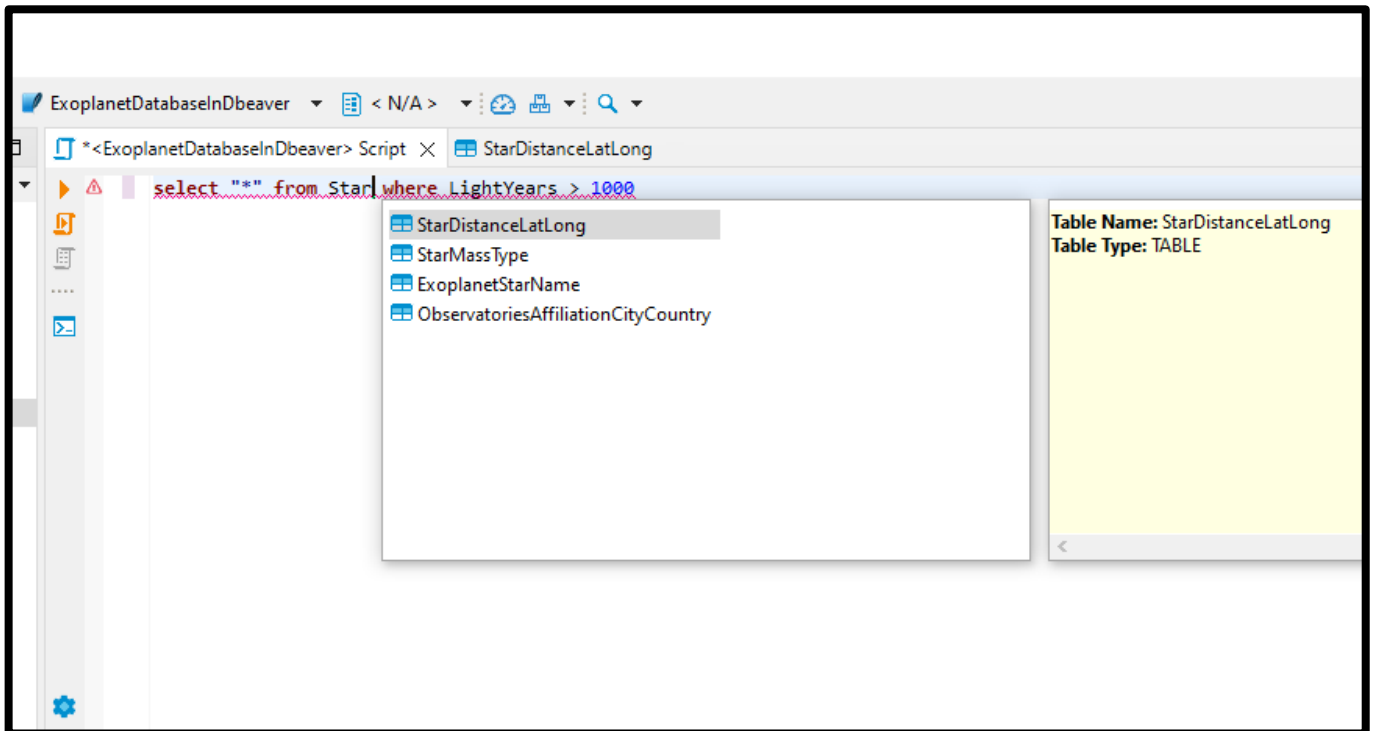
The screenshot displays the DBeaver 22.2.5 interface. The main window shows the 'StarMassType' table data imported into the 'ExoplanetDatabaseInDbeaver' project. The table has columns for 'ABC ID', 'ABC StarName', '123 MassComparedToSun', and 'ABC N'. The data is presented in a grid view with 29 rows.

Grid	ABC ID	ABC StarName	123 MassComparedToSun	ABC N
1	starmass1	11 Com	2.7	
2	starmass10	24 Sex	1.54	
3	starmass100	XO-1	1.02	
4	starmass11	2MASS J04372171+2651014	0.17	
5	starmass12	2MASS J01225093-2439505	0.35	
6	starmass13	2MASS J02192210-3925225	0.24	
7	starmass14	2MASS J04414489+2301513	0.2	
8	starmass15	2MASS J12073346-3932539	0.02	
9	starmass16	2MASS J19383260+4603591	0.48	
10	starmass17	30 Ari B	1.21	
11	starmass18	4 Uma	1.23	
12	starmass19	42 Dra	0.98	
13	starmass2	11 Umi	1.8	
14	starmass20	47 Uma	1.03	
15	starmass21	51 Eri	1.75	
16	starmass22	51 Peg	1.06	Top 1
17	starmass23	55 Cnc	1.01	Top 1
18	starmass24	6 Lyn	1.7	
19	starmass25	61 Vir	0.95	Top 1
20	starmass26	7 Cma	1.52	
21	starmass27	70 Vir	1.1	
22	starmass28	75 Cet	2.49	
23	starmass29	8 Umi	1.8	
24	starmass3	14 And	2.2	
25	starmass30	81 Cet	2.4	
26	starmass31	91 Aqr	1.38	
27	starmass32	AB Aur	2.4	
28	starmass33	AB Pic	13.5	
29	starmass34	AU Mic	0.5	

ER Diagram Tool



SQL Editor Built In with Code Completion



Select Query for LightYears > 1000

```
<ExoplanetDatabaseInDbeaver> Script X StarDistanceLatLong  
select StarName, LightYears from StarDistanceLatLong where LightYears > 1000
```

<ExoplanetDatabaseInDbeaver> Script X StarDistanceLatLong

```
select StarName, LightYears from StarDistanceLatLong where LightYears > 1000
```

StarDistanceLatLong 4 X

select StarName, LightYears from StarDistanceLatLong where LightYears > 1000

	StarName	LightYears
1	2MASS J19383260+4603591	1,293
2	BD+03 2562	8,539
3	BD+15 2375	1,988.75
4	BD+15 2940	1,538.47
5	BD+20 2457	5,400
6	BD+20 274	3,545.17
7	BD+48 738	2,657.72
8	BD+48 740	2,214.37
9	BD+49 828	1,331.24
10	BD-13 2130	3,094.53
11	CoRoT-1	1,500.31
12	CoRoT-10	1,125.23
13	CoRoT-11	1,826.47
14	CoRoT-12	3,750.79
15	DP Leo	1,304.62
16	Gaia-1	1,201.2
17	GPX-1	2,135.99
18	HATS-10	1,617.73
19	KMT-2016-BLG-0212L	20,547
20	MOA-2007-BLG-192L	3,261
21	NY Vir	1,800
22	OGLE-2003-BLG-235L	19,000
23	PSR B1257+12	2,300
24	PSR J1719-1438	3,914
25	UKIRT-2017-BLG-001L	20,548
26	WASP-1	1,300
27	WTS-1	10,436.99

Generates DDL Code

The screenshot shows a database management tool interface for a table named 'ExoplanetDiscoveryFacility'. The 'Properties' tab is active, displaying the table name and type. Below this, a sidebar on the left lists various database objects, with 'DDL' selected. The main area shows the generated DDL code for the table.

Table Name: Table Type:

Table Description:

Columns
Keys
Foreign Keys
Indexes
References
Triggers
DDL
Virtual

```
-- ExoplanetDiscoveryFacility definition
CREATE TABLE ExoplanetDiscoveryFacility (
  ID VARCHAR(50),
  PlanetName VARCHAR(50),
  DiscoveryFacility VARCHAR(50)
);
```

phpMyAdmin front end with MariaDB database back end



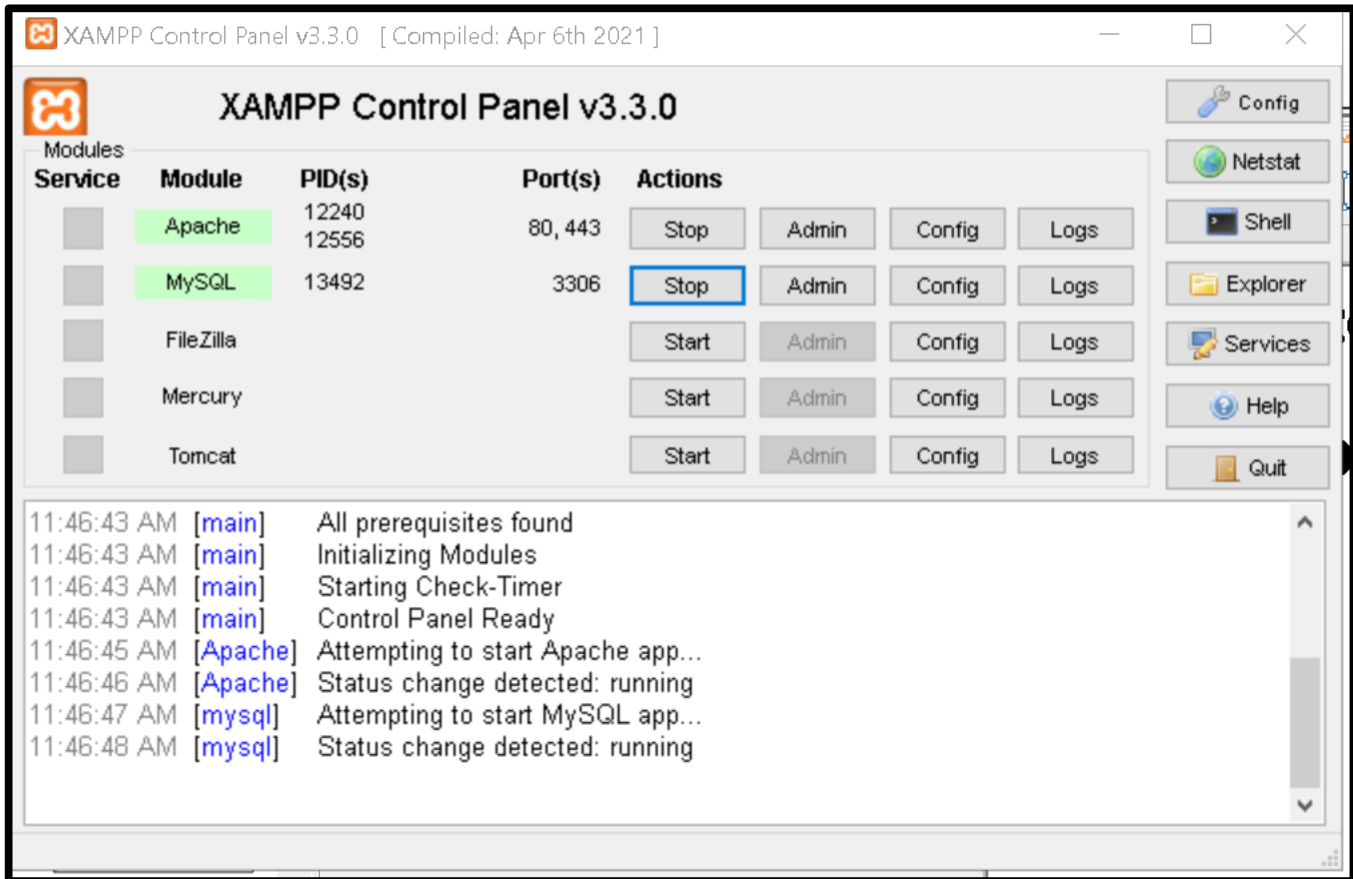
Sitting on Apache Web Server



**Installed with XAMPP
package on Windows**

 XAMPP Apache + MariaDB + PHP + Perl

XAMPP Control Panel



**Used to start/stop
Apache web server
and MariaDB**

Confirming Import of Text File

Importing into the database "exoplanetdatabase"

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.

A compressed file's name must end in **.[format].[compression]**. Example: **.sql.zip**

Browse your computer: (Max: 40MiB)

Browse...

ExoplanetStarName.csv

All Tables Imported

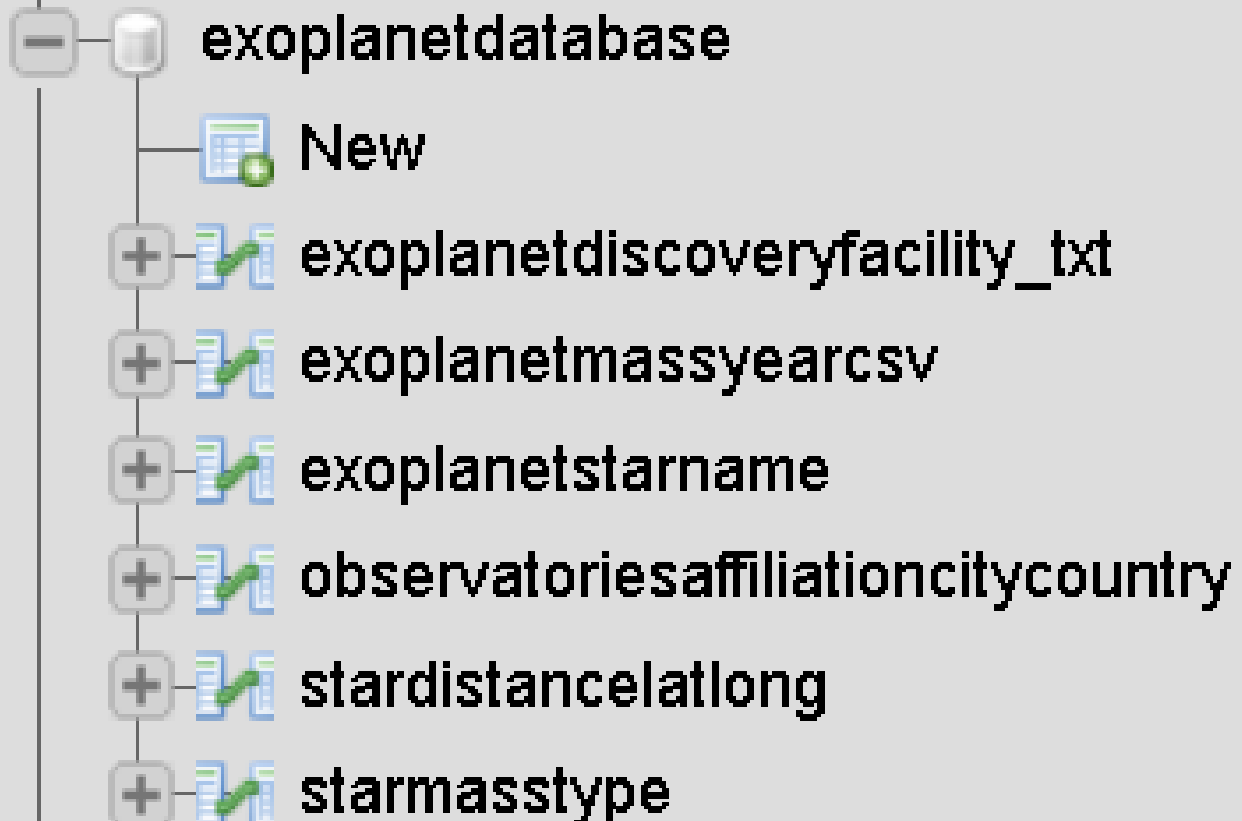


Table Data Imported Using Browse Function

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#) [Tracking](#)

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 24 (100 total, Query took 0.0004 seconds.)

```
SELECT * FROM `stardistanceLATlong`
```

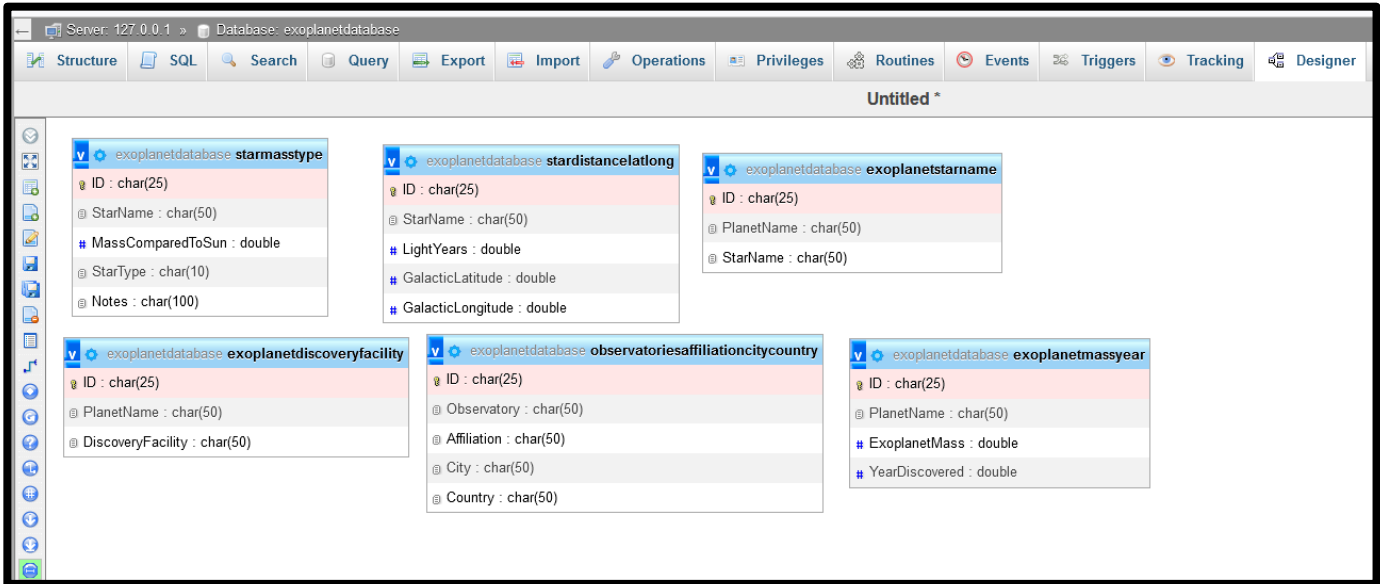
Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

1 > >> | Show all | Number of rows: 25 | Filter rows:

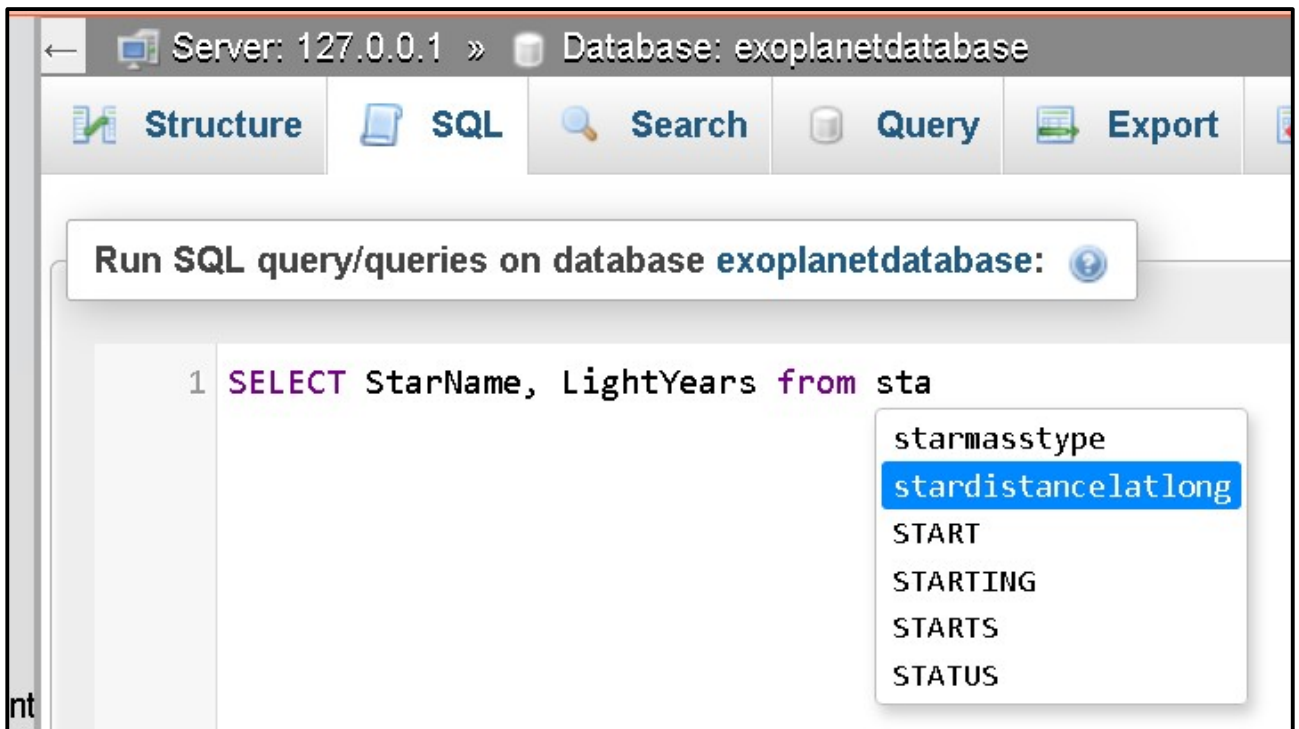
Extra options

ID	StarName	LightYears	Notes	Galactic Latitude	Galactic Longitude
stardist1	11 Com	303.32		78.2805316	264.142395019531
stardist10	24 Sex	235.05		44.71563108	245.0850262
stardist100	XO-1	536.00		48.02124	45.85302
stardist11	2MASS J04372171+2651014	419.06		-13.44593	172.81975
stardist12	2MASS J01225093-2439505	110.33		-82.5199	195.45385
stardist13	2MASS J02192210-3925225	130.75		-67.98402	252.45343
stardist14	2MASS J04414489+2301513	392.77		-15.11435	176.51065
stardist15	2MASS J12073346-3932539	210.00		22.5432438064149	293.790379560083
stardist16	2MASS J19383260+4603591	1293.00		11.67426	79.01876

Database Designer Tool



SQL Editor Built In with Code Completion



Select Query for LightYears > 1000

```
SELECT StarName, LightYears from stardistancelatlong WHERE LightYears > 2000;
```

Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]


Show all | Number of rows: Filter rows:








Extra options

StarName	LightYears
BD+03 2562	8539.00
BD+20 2457	5400.00
BD+20 274	3545.17
BD+48 738	2657.72
BD+48 740	2214.37
BD-13 2130	3094.53
CoRoT-12	3750.79
GPX-1	2135.99

Create New Table Wizard

Table name: Add column(s)

Structure 

Name	Type 	Length/Values 	Default 	Collation	Attributes	Null
<input type="text"/> <small>Pick from Central Columns</small>	INT 	<input type="text"/>	None 	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/> <small>Pick from Central Columns</small>	INT 	<input type="text"/>	None 	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Export Full Database into SQL File

Exporting tables from "exoplanetdatabase" database

Export templates:

New template:

Template name

Create

Existing templates:

Template:

-- Select a template -- ▾

Export method:

- Quick - display only the minimal options
- Custom - display all possible options

Format:

SQL

Export

Query Builder

Multi-table query Query by example

Query window

select table . select column

Show

Table alias Column alias

criteria

select table . select column

Show

Table alias Column alias

criteria

select table . select column

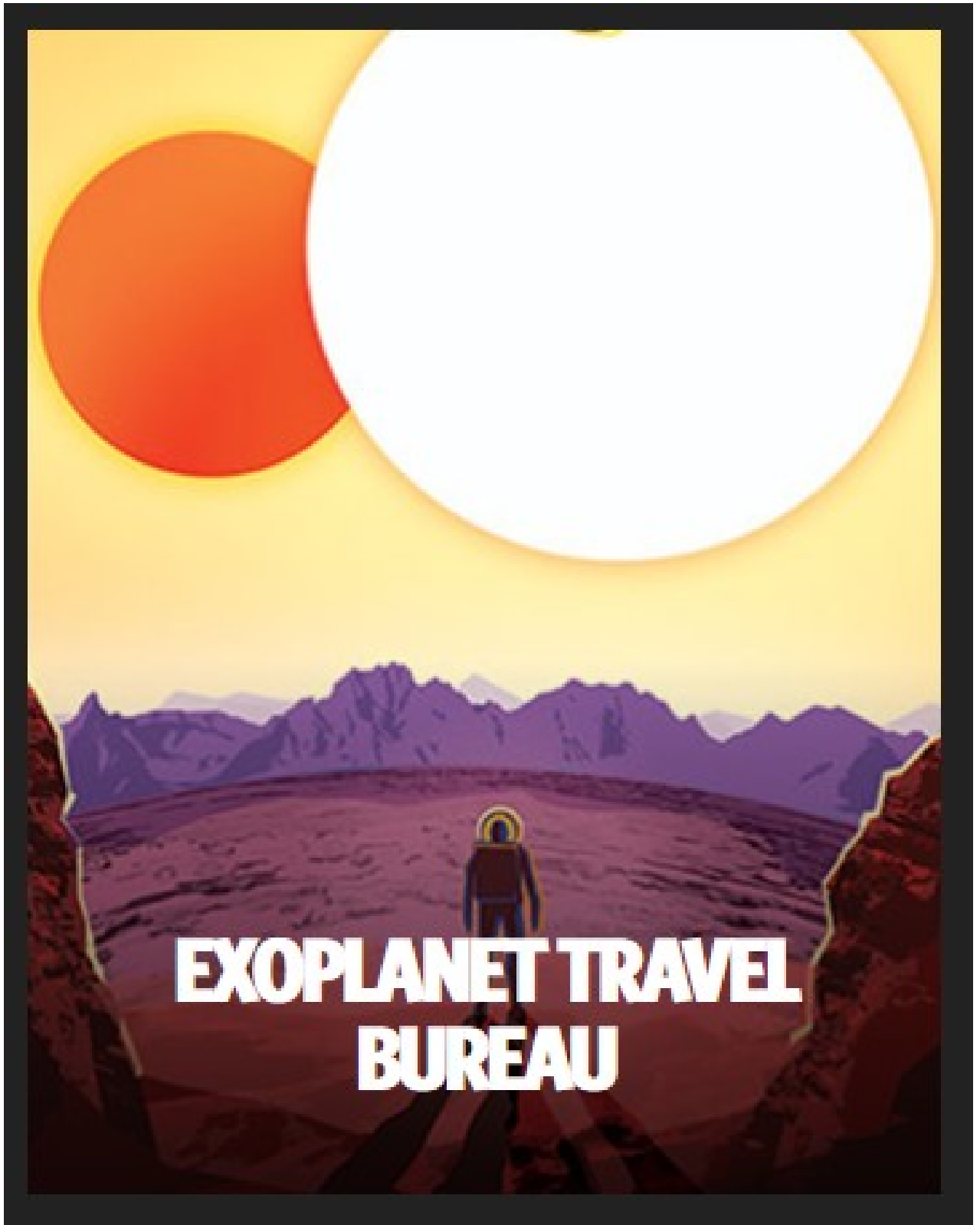
Show

Table alias Column alias

criteria

+ Add column

When are we leaving?



**EXOPLANET TRAVEL
BUREAU**