Explore and Mine Data

Code ▼

Analytical Query I

Top five journals with the most articles published in them for the time period.

Journal_Id <chr></chr>	Title <chr></chr>
444	The Journal of pharmacy and pharmacology
11	Biochimica et biophysica acta
119	The Journal of biological chemistry
48	Comparative biochemistry and physiology. A, Comparative physiology
567	Annales de l'anesthesiologie francaise
5 rows 1-3 of 4 columns	

With the fact table, if someone is interested in knowing the top journal by article count during a period of time, they can just change the filter in the where clause. This can be done by someone with limited SQL knowledge. This information is better represented by a table, since table contains more information about journal title, and the time period.

Analytical Query II

Number of articles per journal per year broken down by quarter.

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```
articles_per_journal <- function(){</pre>
  dbGetQuery(mysqlconnection, 'SELECT Journal_Id,
                                       Title,
                                       Publish_year,
                                       IFNULL(SUM(CASE WHEN Publish_Quarter = "Q1" THEN A
rticle_count END), 0) as "Q1",
                                       IFNULL(SUM(CASE WHEN Publish_Quarter = "Q2" THEN A
rticle_count END), 0) as "Q2",
                                       IFNULL(SUM(CASE WHEN Publish_Quarter = "Q3" THEN A
rticle_count END), 0) as "Q3",
                                       IFNULL(SUM(CASE WHEN Publish_Quarter = "Q4" THEN A
rticle_count END), 0) as "Q4"
                               FROM PracticumII.Fact_Journal
                               GROUP BY 1, 2, 3')
}
articles_per_journal <- articles_per_journal()</pre>
articles_per_journal
```

```
Journal_Id
<chr>
1
1
1
1
10
10
10
10
100
100
1-10 of 4,730 rows | 1-1 of 7 columns
                                                                                        6 ... 100 Next
                                                       Previous 1
                                                                      2
                                                                           3
```

Hide

Biochemical medicine

