

SQL med GamesDF (Data)

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SQL Presentation

Kodningen för resultatet givet i Rapporten har gjorts avsidet projektet. Syftet är att visa kunskaper om operationer gjorda i samma datamaterial.

```
library(tidyverse)
library(RMySQL)
```

```
# db = dbConnect(MySQL(),
#               user = "root",
#               host = "localhost",
#               dbname = "allegendaro",
#               password = "*****")
```

```
dbGetQuery(db, "
    SELECT Platform, COUNT(Platform) as 'Titlar per Platform',
    AVG(UserScore) AS 'Användarbetyg' FROM gamingdf
    WHERE UserScore NOT LIKE 't%'
    GROUP BY Platform
    ORDER BY Platform DESC
")
```

##	Platform	Titlar per Platform	Användarbetyg
## 1	Xbox Series X	15	6.553333
## 2	Xbox One	116	6.281897
## 3	Switch	228	7.379825
## 4	Stadia	2	7.100000
## 5	PlayStation 5	22	6.922727
## 6	PlayStation 4	213	6.238967
## 7	PC	259	6.570656

```
dbGetQuery(db, "
    SELECT Publishers AS Pubs, AVG(UserScore) AS UserScoreMean,
    COUNT(Titlar) AS 'Antalet titlar' FROM gamingdf
    GROUP BY Pubs
    ORDER BY UserScoreMean DESC
    LIMIT 10
")
```

##	Pubs	UserScoreMean	Antalet titlar
## 1	Valve Software	9.100000	1
## 2	Supergiant Games	8.950000	2
## 3	Draw Me A Pixel	8.800000	1

## 4	Pillow Castle Games	8.766667	3
## 5	Whippoorwill Limited	8.700000	1
## 6	Cornfox & Bros.	8.700000	1
## 7	Thomas Moon Kang	8.650000	2
## 8	Atlus	8.566667	3
## 9	nDreams	8.500000	1
## 10	Sector D2	8.400000	1

```
dbGetQuery(db, "
  SELECT Platform, COUNT(Platform) AS 'Titlar per Platform',
  AVG(MetaScore) AS 'Recensentbetyg' FROM gamingdf
  GROUP BY Platform
  ORDER BY Platform DESC
")
```

##	Platform	Titlar per Platform	Recensentbetyg
## 1	Xbox Series X	16	78.25000
## 2	Xbox One	137	73.50365
## 3	Switch	302	72.84437
## 4	Stadia	4	75.25000
## 5	PlayStation 5	24	77.95833
## 6	PlayStation 4	231	72.90909
## 7	PC	286	73.39510

```
dbGetQuery(db, "
  SELECT Publishers AS Pubs, AVG(MetaScore) as MetaScoreMean,
  COUNT(Titlar) AS Antalettitlar FROM gamingdf
  GROUP BY Pubs
  ORDER BY MetaScoreMean DESC
  LIMIT 10
")
```

##	Pubs	MetaScoreMean	Antalettitlar
## 1	Supergiant Games	93.00000	2
## 2	Valve Software	93.00000	1
## 3	Draw Me A Pixel	89.00000	1
## 4	Mossmouth	89.00000	2
## 5	Whippoorwill Limited	88.00000	1
## 6	Enhance Games	88.00000	1
## 7	Cloudhead Games	88.00000	1
## 8	Atlus	86.66667	3
## 9	Slitherine	86.00000	1
## 10	Studio MDHR	86.00000	1

Publishers with the highest score, w.r.t. UserScore

```
dbGetQuery(db, "
  SELECT Publishers, AVG(UserScore) AS MeanUserScore,
  AVG(MetaScore) AS MeanMetaScore, COUNT(Titlar) AS Titlar
  FROM gamingdf
  WHERE UserScore NOT LIKE 'tbd'
  GROUP BY Publishers
  ORDER BY MeanUserScore DESC
  Limit 3
")
```

##	Publishers	MeanUserScore	MeanMetaScore	Titlar
## 1	Valve Software	9.10	93	1

## 2	Jackbox Games, Inc.	9.00	76	1
## 3	Supergiant Games	8.95	93	2

Developers with the highest score, w.r.t. UserScore

```
dbGetQuery(db, "
    SELECT Developers, AVG(UserScore) AS MeanUserScore,
    AVG(MetaScore) AS MeanMetaScore, COUNT(Titlar) AS AntalTitlar
    FROM gamingdf
    GROUP BY Developers HAVING AntalTitlar
    ORDER BY MeanUserScore DESC
    Limit 3
")
```

##	Developers	MeanUserScore	MeanMetaScore	AntalTitlar
## 1	JapanStudio, Team Asobi	9.3	83	1
## 2	Sucker Punch	9.2	83	1
## 3	Valve Software	9.1	93	1

```
dbGetQuery(db, "
    SELECT Publishers, AVG(UserScore) AS MeanUserScore, AVG(MetaScore)
    AS MeanMetaScore, COUNT(Titlar) AS AntalTitlar
    FROM gamingdf
    GROUP BY Publishers
    ORDER BY MeanUserScore DESC
    LIMIT 3
")
```

##	Publishers	MeanUserScore	MeanMetaScore	AntalTitlar
## 1	Valve Software	9.10	93	1
## 2	Supergiant Games	8.95	93	2
## 3	Draw Me A Pixel	8.80	89	1

```
dbGetQuery(db, "
    SELECT Developers, AVG(UserScore) AS MeanUserScore,
    AVG(MetaScore) AS MeanMetaScore, COUNT(Titlar) AS AntalTitlar
    FROM gamingdf
    GROUP BY Developers HAVING AntalTitlar > 1
    ORDER BY MeanMetaScore DESC
    Limit 3
")
```

##	Developers	MeanUserScore	MeanMetaScore	AntalTitlar
## 1	Supergiant Games	8.950000	93.00000	2
## 2	Moon Studios	8.733333	90.33333	3
## 3	Mossmouth, Bitworks	7.250000	89.00000	2

```
dbGetQuery(db, "
    SELECT Publishers, AVG(UserScore) AS MeanUserScore, AVG(MetaScore)
    AS MeanMetaScore, COUNT(Titlar) AS AntalTitlar
    FROM gamingdf
    GROUP BY Publishers
    ORDER BY MeanMetaScore DESC
    LIMIT 3
")
```

##	Publishers	MeanUserScore	MeanMetaScore	AntalTitlar
## 1	Supergiant Games	8.95	93	2

```
## 2 Valve Software 9.10 93 1
## 3 Draw Me A Pixel 8.80 89 1
```

```
dbGetQuery(db, "
    SELECT Publishers, AVG(UserScore) AS MeanUserScore, AVG(MetaScore)
    AS MeanMetaScore, COUNT(Titlar) AS Antaltitlar
    FROM gamingdf
    GROUP BY Publishers
    ORDER BY Antaltitlar DESC
    LIMIT 10
")
```

```
## Publishers MeanUserScore MeanMetaScore Antaltitlar
## 1 Bandai Namco Games 5.097059 68.79412 34
## 2 Sega 6.751852 80.40741 27
## 3 Electronic Arts 3.968000 74.76000 25
## 4 2K Games 5.673913 72.30435 23
## 5 Nintendo 7.219048 75.38095 21
## 6 Ubisoft 6.283333 75.27778 18
## 7 Team17 5.147059 75.29412 17
## 8 THQ Nordic 7.511765 73.64706 17
## 9 Square Enix 5.937500 74.25000 16
## 10 Deep Silver 6.118750 72.68750 16
```

```
dbDisconnect(db)
```

```
## [1] TRUE
```