SQL med GamesDF (Data)

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SQL Presentation

Kodningen för resultatet givet i Rapporten har gjorts avsides projektet. Syftet är att visa kunskaper om operationer gjorda i en tabell.

```
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
```

```r
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
```

```r
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
```

```r
# Publishers with the highest scire, 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
```

```r
# 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
```

```r
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
```

```r
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
```

```r
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
```

```r
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
```

```r
dbDisconnect(db)
```

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