



EDUCACIÓN
SECRETARÍA DE EDUCACIÓN PÚBLICA



TECNOLOGÍA
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TIJUANA INSTITUTE OF TECHNOLOGY

ACADEMIC

**DEPARTMENT OF SYSTEMS AND COMPUTATION
COMPUTER**

SYSTEMS ENGINEERING

SEMESTER

FEBRUARY- JULY 2022

SUBJECT

BDD-1703SC9C Data Mining

Activity

Evaluation

Teacher

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Student

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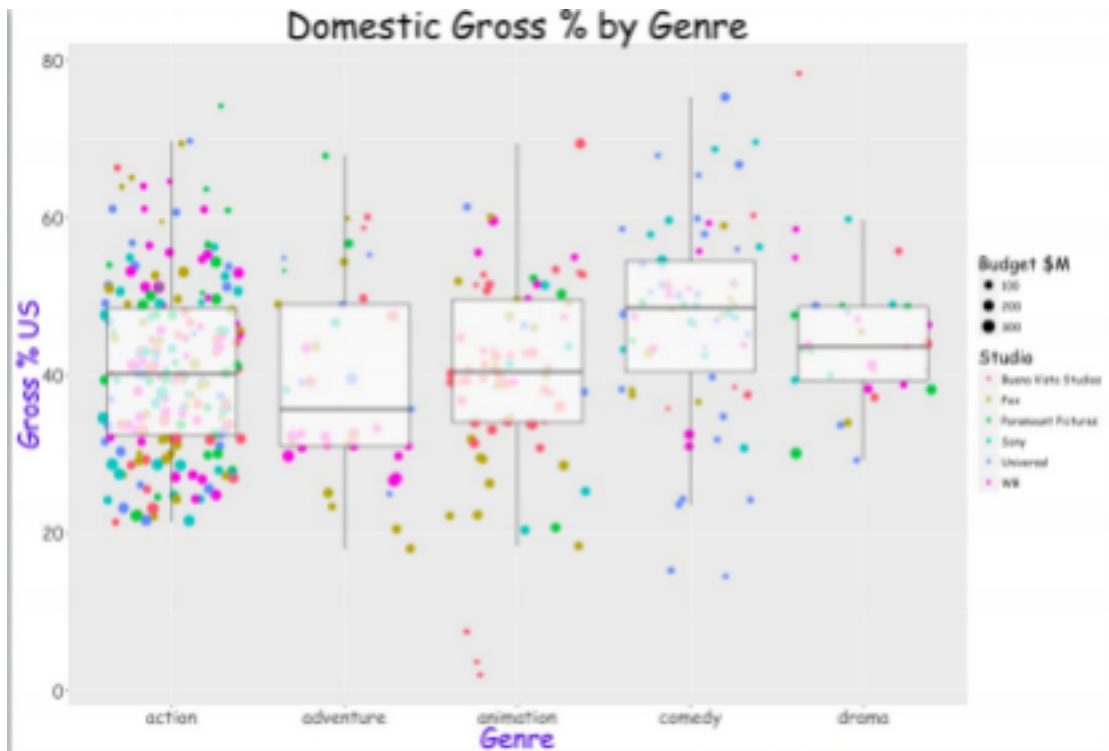
Tijuana, BC April 04, 2022

Instrucciones

Desarrolle el siguiente problema con R y RStudio para la extracción de conocimiento

que el problema requiere.

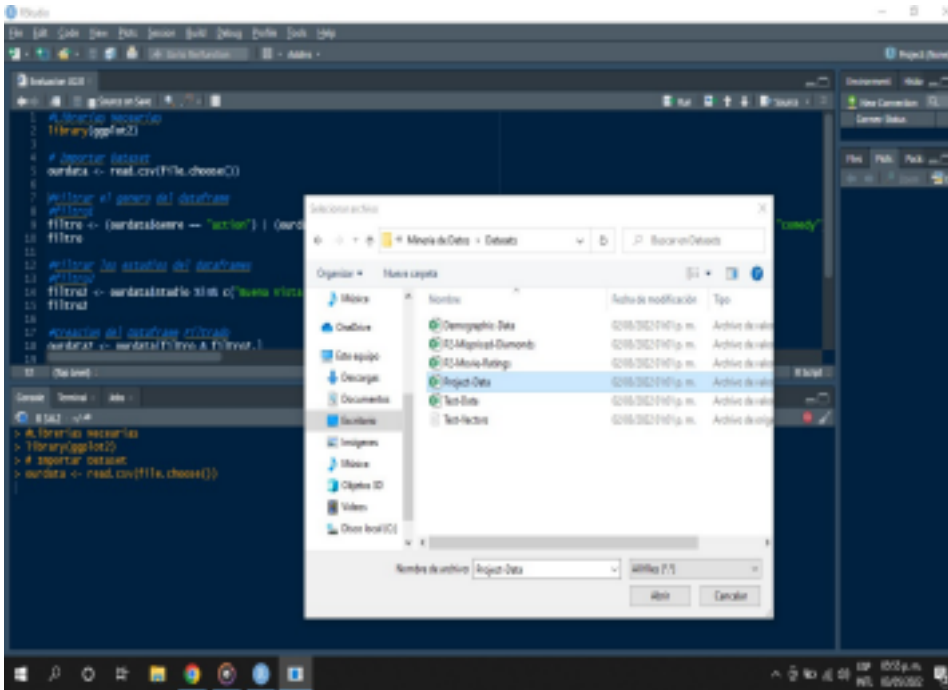
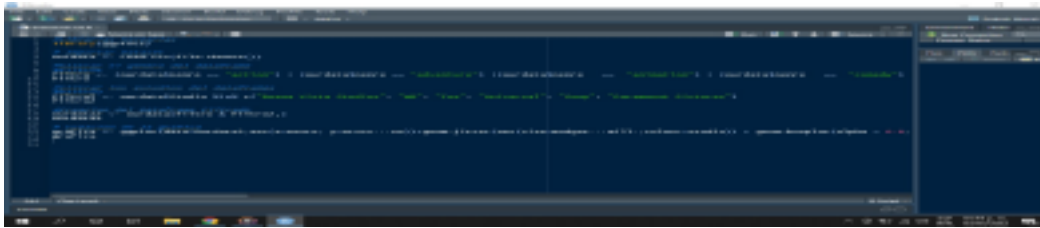
The directors of the movie review website are very happy with their previous installment and now they have a new requirement for you. The previous consultant had created a chart for them which is illustrated in the image below.



However, the R code used to create the plot has been lost and cannot be recovered. Your task is to create the code that will recreate the same graph making it look as close to the original as possible.

growth

1.- We will start by installing the "ggplot2" library, which helps us with the plots. Once installed, we import the required information through a Dataset (which was provided by the teacher from his repository).



2.- Next, through two Dataframe we are going to filter information through its genre and study of the film.



day	director	movie	title	release date	studio
1	Friday	Brad Bird	Tomorrowland	22/05/2015	Seema Vista Studios
2	Friday	Scott Mosier	Need For Speed	14/03/2014	Seema Vista Studios
3	Friday	Phil Lord, Chris Miller	21 Jump Street	16/03/2012	Sony
4	Friday	Holland Comerick	White House Down	26/06/2013	Sony
5	Friday	David Ayer	Fury	17/02/2014	Sony
6	Thursday	Rob Marshall	Into the Woods	25/12/2014	Seema Vista Studios
7	Friday	Daniel Espinoza	Safe House	10/02/2012	Universal
8	Friday	Gary Shore	Dracula Untold	10/08/2014	Universal
9	Friday	Eric Brezig	Magi: The Journey	17/12/2010	WM
10	Friday	Ryan Murphy	Get Him to the Greek	13/08/2010	Sony
11	Friday	Paul Greengrass	Captain Phillips	11/03/2013	Sony
12	Friday	Hayao Miyazaki	Ponyo	14/08/2009	Seema Vista Studios
13	Friday	James Galtie-Serra	Non-Stop	26/02/2014	Universal
14	Friday	Jonathan Liebesman	Battle: Los Angeles	11/03/2011	Sony
15	Friday	Christopher McQuarrie	Jack Reacher	21/12/2012	Paramount Pictures
16	Friday	Scott Mosier	Just Go With It	11/02/2011	Sony
17	Friday	Robert Luketic	The Ugly Truth	24/07/2009	Sony
18	Friday	John Dahl	Bad Teacher	24/06/2011	Sony
19	Friday	Ryan Murphy	The Help	10/08/2011	Seema Vista Studios
20	Friday	Todd Phillips	Due Date	5/11/2010	WM
21	Friday	Tommy Wirkola	Hansel and Gretel: Witch Hunters	25/01/2013	Paramount Pictures
22	Friday	Martin Campbell	Green Lantern	17/06/2011	WM
23	Wednesday	Bar Lieberman	Australia	26/11/2008	Fox
24	Friday	Paul Ferg	The Man	26/06/2011	Fox
25	Wednesday	Jon Tuohimäki	The Giver's Apprentice	14/07/2010	Seema Vista Studios
26	Thursday	Adam Shankman	Redline Stories	21/12/2010	Seema Vista Studios
27	Friday	Garry Marshall	Valentine's Day	12/02/2010	WM
28	Friday	Ben Affleck	Argo	12/09/2012	WM
29	Friday	Michael Gondry	The Green Hornet	14/01/2011	Sony
30	Friday	Mayan Koss	The Break-up	2/06/2006	Universal
31	Friday	Nancy Meyers	The Holiday	6/12/2006	Sony
32	Friday	Tom Vaughan	What Happens in Vegas	9/05/2008	Fox
33	Friday	Nancy Meyers	It's Complicated	25/12/2009	Universal
34	Friday	Hayden Schlossberg, Jon Swartz	American Reunion	6/08/2012	Universal
35	Friday	Kyle Ball	Planes	9/08/2013	Seema Vista Studios
36	Friday	Wesley Ratter	Mercules (2013)	21/07/2014	Paramount Pictures

4.- In order to represent the data obtained we are going to create the graph and if everything goes well we will obtain a graph that is as similar as possible to what was requested in practice.



Conclusion:

As a general conclusion we can say that the action genre in movies is one of the best options that studios take to invest since it is what is sold the most along with comedy but it is in a slightly lower percentage, adventure and animation are not it is the most sought after and therefore not so much is invested in it and finally the drama that although there is not much investment in the same way there is not much interest and profit in this last genre.