Project 3

**DASC 5300**

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**Analysis 1**

We chose three genres for Analysis 1: crime, thriller, and mystery. We have selected one Title Type: movie. Then, from 2000 to 2015, we created an output for those three genres and one title type.

**Query:**

1. SELECT COUNT(TITLETYPE) AS Movies\_produced, GENRES,STARTYEAR
2. FROM sharmac.TITLE\_BASICS
3. WHERE GENRES IN ('Crime','Thriller','Mystery') AND (TITLETYPE='movie') AND (STARTYEAR BETWEEN '2000' AND '2015')
4. GROUP BY GENRES,STARTYEAR
5. ORDER BY STARTYEAR;

**Output:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Genres | Year | movies\_produced | Genres | Year | movies\_produced | Genres | Year | movies\_produced |
| Crime | 2000 | 18 | Mystery | 2000 | 6 | Thriller | 2000 | 129 |
| Crime | 2001 | 23 | Mystery | 2001 | 3 | Thriller | 2001 | 105 |
| Crime | 2002 | 17 | Mystery | 2002 | 8 | Thriller | 2002 | 110 |
| Crime | 2003 | 25 | Mystery | 2003 | 13 | Thriller | 2003 | 124 |
| Crime | 2004 | 22 | Mystery | 2004 | 15 | Thriller | 2004 | 116 |
| Crime | 2005 | 22 | Mystery | 2005 | 19 | Thriller | 2005 | 140 |
| Crime | 2006 | 29 | Mystery | 2006 | 25 | Thriller | 2006 | 118 |
| Crime | 2007 | 29 | Mystery | 2007 | 17 | Thriller | 2007 | 108 |
| Crime | 2008 | 40 | Mystery | 2008 | 31 | Thriller | 2008 | 161 |
| Crime | 2009 | 43 | Mystery | 2009 | 28 | Thriller | 2009 | 204 |
| Crime | 2010 | 38 | Mystery | 2010 | 24 | Thriller | 2010 | 174 |
| Crime | 2011 | 44 | Mystery | 2011 | 31 | Thriller | 2011 | 190 |
| Crime | 2012 | 41 | Mystery | 2012 | 48 | Thriller | 2012 | 221 |
| Crime | 2013 | 71 | Mystery | 2013 | 56 | Thriller | 2013 | 251 |
| Crime | 2014 | 53 | Mystery | 2014 | 35 | Thriller | 2014 | 287 |
| Crime | 2015 | 70 | Mystery | 2015 | 55 | Thriller | 2015 | 285 |

**Graph:**

The line graph above shows that thriller films have been produced at a much higher rate than crime and mystery films. And crime films are produced at a higher rate than mystery films.

When you look at the entire graph, you can see that all three movie genres have increased. This can be interpreted as movies producing more than ever before. In the year 2000, there were 129 thriller films produced, while in 2015, there were 285. The production number increased by 120 percent during the period of 15 years. Furthermore, the production rate of thriller films has remained distinct from that of crime and mystery films between the years 2000 and 2015.

Thriller film production fell from 2006 to 2008, but resumed in 2009. Aside from 2014, when both genres saw a decrease in production, mystery and crime movies had quite a consistent rate of incrementation.

Based on this, we can conclude that the number of movies produced has increased at a faster rate in all three genres over the years.

**Analysis 2**

For analysis 2, we chose 'Drama' as a Genre, ‘movie' as a Title Type, and Orson Welles (nm0000080) as a Director. We chose just one actor to represent our data.

We have written our query for all actors with 'Crime' as a Genre and ‘movie' as a Title Type. We got '27390 Rows' from that. Because it is impractical to represent a table and graph with 27390 rows, we are only representing the table and graph for one actor.

**Query:**

1. SELECT COUNT(TITLE\_BASICS.TITLETYPE), TITLE\_BASICS.ORIGINALTITLE, TITLE\_BASICS.STARTYEAR, NAME\_BASICS.PRIMARYNAME
2. FROM TITLE\_CREW\_DIR
3. INNER JOIN
4. NAME\_BASICS ON NAME\_BASICS.NCONST=TITLE\_CREW\_DIR.DIRECTORS
5. INNER JOIN
6. TITLE\_PRINCIPALS ON TITLE\_PRINCIPALS.TCONST=TITLE\_CREW\_DIR.TCONST
7. INNER JOIN
8. TITLE\_BASICS ON TITLE\_BASICS.TCONST=TITLE\_CREW\_DIR.TCONST
9. WHERE (TITLE\_BASICS.GENRES LIKE '%Crime%') AND (TITLE\_BASICS.TITLETYPE='movie')
10. GROUP BY TITLE\_BASICS.ORIGINALTITLE,TITLE\_BASICS.STARTYEAR, NAME\_BASICS.PRIMARYNAME;

**Output:**

|  |  |
| --- | --- |
| Movies | STARTYEAR |
| Citizen Kane | 1941 |
| Journey Into Fear | 1942 |
| The Magnificent Ambersons | 1942 |
| The Stranger | 1946 |
| The Lady from Shanghai | 1947 |
| Macbeth | 1948 |
| Black Magic | 1949 |
| The Tragedy of Othello: The Moor of Venice | 1951 |
| Mr. Arkadin | 1955 |
| Three Cases of Murder | 1955 |
| Touch of Evil | 1958 |
| David e Golia | 1960 |
| Le proc??s | 1962 |
| No Exit | 1962 |
| Falstaff (Chimes at Midnight) | 1965 |
| The Heroine | 1967 |
| The Deep | 1970 |
| Don Quixote | 1972 |
| Don Quijote de Orson Welles | 1992 |
| The Other Side of the Wind | 2018 |

**Graph:**

The graph above depicts all of the films directed and acted in by Orson Welles. As we can see, he has been quite active as both a director and an actor. Until 1972, said actor maintained a consistent level of output. We can see that there was a 20-year gap before his next film in 1992, and another 26-year gap before his next film in 2018. Further investigation into why there was such a large gap after 1972 revealed that the actor/director died in 1985. The 1992 film is unfinished, and his most recent film, released in 2018, was shot previously but cancelled due to certain factors preventing it from being released sooner.

**Analysis 3**

For analysis 3, we have chosen actress Emma Thompson whose id is nm0000668 and produced an output for all the movies she has acted in the given dataset.

**Query:**

1. SELECT TITLE\_BASICS.ORIGINALTITLE, TITLE\_BASICS.STARTYEAR, COUNT(TITLE\_BASICS.TITLETYPE)
2. FROM TITLE\_PRINCIPALS
3. INNER JOIN
4. NAME\_BASICS ON NAME\_BASICS.NCONST=TITLE\_PRINCIPALS.NCONST
5. INNER JOIN
6. TITLE\_BASICS ON TITLE\_BASICS.TCONST=TITLE\_PRINCIPALS.TCONST
7. WHERE NAME\_BASICS.NCONST IN ('nm0000668') AND (TITLE\_BASICS.TITLETYPE='movie')
8. GROUP BY TITLE\_BASICS.ORIGINALTITLE,TITLE\_BASICS.STARTYEAR;

**Output:**

|  |  |
| --- | --- |
| Movies | STARTYEAR |
| The Tall Guy | 1989 |
| Dead Again | 1991 |
| Peter's Friends | 1992 |
| Howards End | 1992 |
| The Remains of the Day | 1993 |
| Much Ado About Nothing | 1993 |
| Junior | 1994 |
| Carrington | 1995 |
| Sense and Sensibility | 1995 |
| The Winter Guest | 1997 |
| Judas Kiss | 1998 |
| Primary Colors | 1998 |
| Treasure Planet | 2002 |
| Imagining Argentina | 2003 |
| Pride & Prejudice | 2005 |
| Nanny McPhee | 2005 |
| Stranger Than Fiction | 2006 |
| Last Chance Harvey | 2008 |
| Nanny McPhee and the Big Bang | 2010 |
| Brave | 2012 |
| Beautiful Creatures | 2013 |
| The Love Punch | 2013 |
| Saving Mr. Banks | 2013 |
| Effie Gray | 2014 |
| A Walk in the Woods | 2015 |
| The Legend of Barney Thomson | 2015 |
| Alone in Berlin | 2016 |
| To the Ends of the Earth | 2016 |
| Bridget Jones's Baby | 2016 |
| The Children Act | 2017 |
| Sea Sorrow | 2017 |

**Graph:**

We wanted to see all of the films in which Emma Thompson has appeared and how active she has been as an actor over the course of her career. We can see from the output and the graph that she has consistently produced work from 1989 to 2017. The longest gap she has taken is three years, from 1998 to 2002. In 2013, and 2016, she made three films in a year, which is the most she has done in a single year. She frequently appears in two films released in the same year. Based on the analysis, we can conclude that she has maintained her career as an actor and is at the pinnacle of her career, based on the number of films in which she has appeared.