Hulu Movies and Shows

> # Importing Packages

>

> library(tidyverse)

>

> #Loading Dataset

> View(Hulu\_titles)

>

> #Expolre the Hulu Dataset

> head(Hulu\_titles)

id title type

1 ts300399 Five Came Back: The Reference Films SHOW

2 tm84618 Taxi Driver MOVIE

3 tm154986 Deliverance MOVIE

4 tm127384 Monty Python and the Holy Grail MOVIE

5 tm120801 The Dirty Dozen MOVIE

6 ts22164 Monty Python's Flying Circus SHOW

description

1 This collection includes 12 World War II-era propaganda films — many of which are graphic and offensive — discussed in the docuseries "Five Came Back."

2 A mentally unstable Vietnam War veteran works as a night-time taxi driver in New York City where the perceived decadence and sleaze feed his urge for violent action.

3 Intent on seeing the Cahulawassee River before it's turned into one huge lake, outdoor fanatic Lewis Medlock takes his friends on a river-rafting trip they'll never forget into the dangerous American back-country.

4 King Arthur, accompanied by his squire, recruits his Knights of the Round Table, including Sir Bedevere the Wise, Sir Lancelot the Brave, Sir Robin the Not-Quite-So-Brave-As-Sir-Lancelot and Sir Galahad the Pure. On the way, Arthur battles the Black Knight who, despite having had all his limbs chopped off, insists he can still fight. They reach Camelot, but Arthur decides not to enter, as "it is a silly place".

5 12 American military prisoners in World War II are ordered to infiltrate a well-guarded enemy château and kill the Nazi officers vacationing there. The soldiers, most of whom are facing death sentences for a variety of violent crimes, agree to the mission and the possible commuting of their sentences.

6 A British sketch comedy series with the shows being composed of surreality, risqué or innuendo-laden humour, sight gags and observational sketches without punchlines.

release\_year age\_certification runtime genres production\_countries seasons

1 1945 TV-MA 51 ['documentation'] ['US'] 1

2 1976 R 114 ['drama', 'crime'] ['US'] NA

3 1972 R 109 ['drama', 'action', 'thriller', 'european'] ['US'] NA

4 1975 PG 91 ['fantasy', 'action', 'comedy'] ['GB'] NA

5 1967 150 ['war', 'action'] ['GB', 'US'] NA

6 1969 TV-14 30 ['comedy', 'european'] ['GB'] 4

imdb\_id imdb\_score imdb\_votes tmdb\_popularity tmdb\_score

1 NA NA 0.600 NA

2 tt0075314 8.2 808582 40.965 8.179

3 tt0068473 7.7 107673 10.010 7.300

4 tt0071853 8.2 534486 15.461 7.811

5 tt0061578 7.7 72662 20.398 7.600

6 tt0063929 8.8 73424 17.617 8.306

> tail(Hulu\_titles)

id title type

5845 tm1074617 Bling Empire - The Afterparty MOVIE

5846 tm1014599 Fine Wine MOVIE

5847 tm898842 C/O Kaadhal MOVIE

5848 tm1059008 Lokillo MOVIE

5849 tm1035612 Dad Stop Embarrassing Me - The Afterparty MOVIE

5850 ts271048 Mighty Little Bheem: Kite Festival SHOW

description

5845 The stars of "Bling Empire" discuss the show's success and play bling-themed games, then comic Joel Kim Booster makes his case for joining the cast.

5846 A beautiful love story that can happen between two people regardless of their age gaps.

5847 A heart warming film that explores the concept of romance with episodes involving four sets of people of different age group.

5848 A controversial TV host and comedian who has built his career on sexist humor is forced to assume a woman's identity to elude a relentless drug dealer.

5849 Jamie Foxx, David Alan Grier and more from the cast of the family comedy discuss the show, humiliating family moments, bad BBQ dishes and sitcom openings.

5850 With winter behind them, Bheem and his townspeople usher in a sunny new season in all their favorite ways during the Makar Sankranti festival.

release\_year age\_certification runtime genres production\_countries seasons

5845 2021 35 [] ['US'] NA

5846 2021 100 ['romance', 'drama'] ['NG'] NA

5847 2021 134 ['drama'] [] NA

5848 2021 90 ['comedy'] ['CO'] NA

5849 2021 PG-13 37 [] ['US'] NA

5850 2021 7 ['family', 'animation', 'comedy'] [] 1

imdb\_id imdb\_score imdb\_votes tmdb\_popularity tmdb\_score

5845 NA NA NA NA

5846 tt13857480 6.8 45 1.466 NA

5847 tt11803618 7.7 348 NA NA

5848 tt14585902 3.8 68 26.005 6.3

5849 NA NA 1.296 10.0

5850 tt13711094 7.8 18 2.289 10.0

> str(Hulu\_titles)

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$ id : chr "ts300399" "tm84618" "tm154986" "tm127384" ...

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$ type : chr "SHOW" "MOVIE" "MOVIE" "MOVIE" ...

$ description : chr "This collection includes 12 World War II-era propaganda films — many of which are graphic and offensive — discu"| \_\_truncated\_\_ "A mentally unstable Vietnam War veteran works as a night-time taxi driver in New York City where the perceived "| \_\_truncated\_\_ "Intent on seeing the Cahulawassee River before it's turned into one huge lake, outdoor fanatic Lewis Medlock ta"| \_\_truncated\_\_ "King Arthur, accompanied by his squire, recruits his Knights of the Round Table, including Sir Bedevere the Wis"| \_\_truncated\_\_ ...

$ release\_year : int 1945 1976 1972 1975 1967 1969 1979 1971 1967 1980 ...

$ age\_certification : chr "TV-MA" "R" "R" "PG" ...

$ runtime : int 51 114 109 91 150 30 94 102 110 104 ...

$ genres : chr "['documentation']" "['drama', 'crime']" "['drama', 'action', 'thriller', 'european']" "['fantasy', 'action', 'comedy']" ...

$ production\_countries: chr "['US']" "['US']" "['US']" "['GB']" ...

$ seasons : num 1 NA NA NA NA 4 NA NA NA NA ...

$ imdb\_id : chr "" "tt0075314" "tt0068473" "tt0071853" ...

$ imdb\_score : num NA 8.2 7.7 8.2 7.7 8.8 8 7.7 7.7 5.8 ...

$ imdb\_votes : num NA 808582 107673 534486 72662 ...

$ tmdb\_popularity : num 0.6 41 10 15.5 20.4 ...

$ tmdb\_score : num NA 8.18 7.3 7.81 7.6 ...

> summary(Hulu\_titles)

id title type description release\_year age\_certification

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Class :character Class :character Class :character Class :character 1st Qu.:2016 Class :character

Mode :character Mode :character Mode :character Mode :character Median :2018 Mode :character

Mean :2016

3rd Qu.:2020

Max. :2022

runtime genres production\_countries seasons imdb\_id imdb\_score

Min. : 0.00 Length:5850 Length:5850 Min. : 1.000 Length:5850 Min. :1.500

1st Qu.: 44.00 Class :character Class :character 1st Qu.: 1.000 Class :character 1st Qu.:5.800

Median : 83.00 Mode :character Mode :character Median : 1.000 Mode :character Median :6.600

Mean : 76.89 Mean : 2.163 Mean :6.511

3rd Qu.:104.00 3rd Qu.: 2.000 3rd Qu.:7.300

Max. :240.00 Max. :42.000 Max. :9.600

NA's :3744 NA's :482

imdb\_votes tmdb\_popularity tmdb\_score

Min. : 5.0 Min. : 0.0094 Min. : 0.500

1st Qu.: 516.8 1st Qu.: 2.7285 1st Qu.: 6.100

Median : 2233.5 Median : 6.8210 Median : 6.900

Mean : 23439.4 Mean : 22.6379 Mean : 6.829

3rd Qu.: 9494.0 3rd Qu.: 16.5900 3rd Qu.: 7.537

Max. :2294231.0 Max. :2274.0440 Max. :10.000

NA's :498 NA's :91 NA's :311

>

> glimpse(Hulu\_titles)

Rows: 5,850

Columns: 15

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$ type <chr> "SHOW", "MOVIE", "MOVIE", "MOVIE", "MOVIE", "SHOW", "MOVIE", "MOVIE", "MOVIE", "MOVIE"…

$ description <chr> "This collection includes 12 World War II-era propaganda films — many of which are gra…

$ release\_year <int> 1945, 1976, 1972, 1975, 1967, 1969, 1979, 1971, 1967, 1980, 1961, 1966, 1979, 1954, 19…

$ age\_certification <chr> "TV-MA", "R", "R", "PG", "", "TV-14", "R", "R", "R", "R", "", "PG-13", "R", "", "", "P…

$ runtime <int> 51, 114, 109, 91, 150, 30, 94, 102, 110, 104, 158, 117, 78, 115, 77, 150, 97, 133, 129…

$ genres <chr> "['documentation']", "['drama', 'crime']", "['drama', 'action', 'thriller', 'european'…

$ production\_countries <chr> "['US']", "['US']", "['US']", "['GB']", "['GB', 'US']", "['GB']", "['GB']", "['US']", …

$ seasons <dbl> 1, NA, NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, …

$ imdb\_id <chr> "", "tt0075314", "tt0068473", "tt0071853", "tt0061578", "tt0063929", "tt0079470", "tt0…

$ imdb\_score <dbl> NA, 8.2, 7.7, 8.2, 7.7, 8.8, 8.0, 7.7, 7.7, 5.8, 7.5, 7.3, 8.1, 7.5, 7.5, 7.5, 6.2, 7.…

$ imdb\_votes <dbl> NA, 808582, 107673, 534486, 72662, 73424, 395024, 155051, 112048, 69844, 50748, 16446,…

$ tmdb\_popularity <dbl> 0.600, 40.965, 10.010, 15.461, 20.398, 17.617, 17.770, 12.817, 15.687, 50.324, 13.844,…

$ tmdb\_score <dbl> NA, 8.179, 7.300, 7.811, 7.600, 8.306, 7.800, 7.500, 7.500, 6.156, 7.300, 7.100, 7.500…

>

> # Question:1 How have movies and shows times changed throughout the decades?

> # Creating Data Frames for Movies.

> HuluMOVIE <- (Hulu\_titles%>% filter(type %in% c('MOVIE')))

> write.csv(HuluMOVIE,"View(Hulu\_titles)", row.names = FALSE)

> HuluMOVIE

id title type

1 tm84618 Taxi Driver MOVIE

2 tm154986 Deliverance MOVIE

3 tm127384 Monty Python and the Holy Grail MOVIE

4 tm120801 The Dirty Dozen MOVIE

5 tm70993 Life of Brian MOVIE

6 tm14873 Dirty Harry MOVIE

7 tm119281 Bonnie and Clyde MOVIE

8 tm98978 The Blue Lagoon MOVIE

9 tm44204 The Guns of Navarone MOVIE

10 tm67378 The Professionals MOVIE

11 tm69997 Richard Pryor: Live in Concert MOVIE

12 tm16479 White Christmas MOVIE

13 tm135083 Cairo Station MOVIE

14 tm89386 Hitler: A Career MOVIE

15 tm156453 FTA MOVIE

16 tm14350 Alexandria… Why? MOVIE

17 tm81728 The Land MOVIE

18 tm94651 Dostana MOVIE

19 tm27298 Saladin the Victorious MOVIE

20 tm100027 Alibaba Aur 40 Chor MOVIE

21 tm19608 The Blazing Sun MOVIE

22 tm204541 Dark Waters MOVIE

23 tm259855 We Are All for the Fatherland MOVIE

24 tm356209 Singapore MOVIE

25 tm200475 Beirut, Oh Beirut MOVIE

26 tm90896 The Return of the Prodigal Son MOVIE

27 tm336403 Khoon Khoon MOVIE

28 tm107372 Manoranjan MOVIE

29 tm358653 Ujala MOVIE

30 tm259684 Whispers MOVIE

31 tm403346 Chadi Jawani Budhe Nu MOVIE

32 tm16812 Bandie MOVIE

33 tm155787 GoodFellas MOVIE

34 tm22327 Full Metal Jacket MOVIE

35 tm180542 Once Upon a Time in America MOVIE

36 tm138875 When Harry Met Sally... MOVIE

37 tm2386 A Nightmare on Elm Street MOVIE

38 tm133087 Steel Magnolias MOVIE

39 tm177480 Police Academy MOVIE

40 tm54450 Christine MOVIE

41 tm145608 Awakenings MOVIE

42 tm147710 National Lampoon's Christmas Vacation MOVIE

43 tm142895 Lean On Me MOVIE

44 tm20712 Eddie Murphy Raw MOVIE

45 tm117580 She's Gotta Have It MOVIE

46 tm130586 Endless Love MOVIE

47 tm721687 Vaashi MOVIE

48 tm40103 Mobile Suit Gundam: Char's Counterattack MOVIE

49 tm125985 Mobile Suit Gundam II: Soldiers of Sorrow MOVIE

50 tm21953 Sam Kinison: Breaking the Rules MOVIE

51 tm126769 Waiting for the Hearse MOVIE

52 tm152839 Tim Allen: Men Are Pigs MOVIE

53 tm49037 Mobile Suit Gundam III: Encounters in Space MOVIE

54 tm62924 Monty Python Live at the Hollywood Bowl MOVIE

55 tm52815 Disco Dancer MOVIE

56 tm159912 Agneepath MOVIE

57 tm133914 Parrot Sketch Not Included: Twenty Years of Monty Python MOVIE

58 tm38736 Too Young The Hero MOVIE

59 tm51083 A Stoning in Fulham County MOVIE

60 tm137013 The Ryan White Story MOVIE

61 tm157603 Dil MOVIE

62 tm258072 Adam: His Song Continues MOVIE

63 tm114356 The George McKenna Story MOVIE

64 tm157853 In Defense of a Married Man MOVIE

65 tm132164 Bill Hicks: Sane Man MOVIE

66 tm446654 Mujrim MOVIE

description

1 A mentally unstable Vietnam War veteran works as a night-time taxi driver in New York City where the perceived decadence and sleaze feed his urge for violent action.

2 Intent on seeing the Cahulawassee River before it's turned into one huge lake, outdoor fanatic Lewis Medlock takes his friends on a river-rafting trip they'll never forget into the dangerous American back-country.

3 King Arthur, accompanied by his squire, recruits his Knights of the Round Table, including Sir Bedevere the Wise, Sir Lancelot the Brave, Sir Robin the Not-Quite-So-Brave-As-Sir-Lancelot and Sir Galahad the Pure. On the way, Arthur battles the Black Knight who, despite having had all his limbs chopped off, insists he can still fight. They reach Camelot, but Arthur decides not to enter, as "it is a silly place".

4 12 American military prisoners in World War II are ordered to infiltrate a well-guarded enemy château and kill the Nazi officers vacationing there. The soldiers, most of whom are facing death sentences for a variety of violent crimes, agree to the mission and the possible commuting of their sentences.

5 Brian Cohen is an average young Jewish man, but through a series of ridiculous events, he gains a reputation as the Messiah. When he's not dodging his followers or being scolded by his shrill mother, the hapless Brian has to contend with the pompous Pontius Pilate and acronym-obsessed members of a separatist movement. Rife with Monty Python's signature absurdity, the tale finds Brian's life paralleling Biblical lore, albeit with many more laughs.

6 When a madman dubbed 'Scorpio' terrorizes San Francisco, hard-nosed cop, Harry Callahan – famous for his take-no-prisoners approach to law enforcement – is tasked with hunting down the psychopath. Harry eventually collars Scorpio in the process of rescuing a kidnap victim, only to see him walk on technicalities. Now, the maverick detective is determined to nail the maniac himself.

7 In the 1930s, bored waitress Bonnie Parker falls in love with an ex-con named Clyde Barrow and together they start a violent crime spree through the country, stealing cars and robbing banks.

8 Two small children and a ship's cook survive a shipwreck and find safety on an idyllic tropical island. Soon, however, the cook dies and the young boy and girl are left on their own. Days become years and Emmeline and Richard make a home for themselves surrounded by exotic creatures and nature's beauty. But will they ever see civilization again?

9 A team of allied saboteurs are assigned an impossible mission: infiltrate an impregnable Nazi-held island and destroy the two enormous long-range field guns that prevent the rescue of 2,000 trapped British soldiers.

10 An arrogant Texas millionaire hires four adventurers to rescue his kidnapped wife from a notorious Mexican bandit.

11 Richard Pryor delivers monologues on race, sex, family and his favorite target—himself, live at the Terrace Theatre in Long Beach, California.

12 Two talented song-and-dance men team up after the war to become one of the hottest acts in show business. In time they befriend and become romantically involved with the beautiful Haynes sisters who comprise a sister act.

13 Qinawi, a physically challenged peddler who makes his living selling newspapers in the central Cairo train station, is obsessed by Hanuma, an attractive young woman who sells drinks. While she jokes with him about a possible relationship, she is actually in love with Abu Siri, a strong and respected porter at the station who is struggling to unionize his fellow workers to combat their boss' exploitative and abusive treatment.

14 A keen chronicle of the unlikely rise to power of Adolf Hitler (1889-1945) and a dissection of the Third Reich (1933-1945), but also an analysis of mass psychology and how the desperate crowd can be deceived and shepherded to the slaughterhouse.

15 A documentary about a political troupe headed by actors Jane Fonda and Donald Sutherland which traveled to towns near military bases in the US in the early 1970s. The group put on shows called "F.T.A.", which stood for "F\*\*k the Army", and was aimed at convincing soldiers to voice their opposition to the Vietnam War, which was raging at the time. Various singers, actors and other entertainers performed antiwar songs and skits during the show.

16 Set against the panoramic backdrop of war-torn Egypt, director Youssef Chahine tells a highly personal tale of love and determination. Amid the poverty, death and suffering caused by World War II, 18 year-old Yehia, retreats into a private world of fantasy and longing. Obsessed with Hollywood, he dreams of one day studying filmmaking in America, but after falling in love and discovering the lies of European occupation, Yehia profoundly reevaluates his identity and allegiances.

17 Set in 1933, the mayor informs the peasants that the share of irrigation of their land will be split equally between them and feudal lord Mahmoud Bey. The peasants send Muhammad Effendi to submit a petition to the government. Then Mahmoud Bey proposes a project that would require taking part of the peasants' lands.

18 Two close friends decide to enter law enforcement, one as a police officer, the other as a lawyer, but their friendship begins to unravel when they both fall in love with the same woman.

19 Saladin, the first sultan of Egypt and Syria, leads the Muslim military campaign against the invading Christians from Europe during the Third Crusade.

20 The movie is based on the story of Ali Baba and the Forty Thieves, from the One Thousand and One Nights or Arabian Tales. The role of Ali Baba is played by Dharmendra and Hema Malini play Morjina.

21 A rich landlord floods and destroys a village on purpose to prevent the people living there from making a profit off their crops. What he doesn't know is that his own daughter is in love with Ahmed, a young man from the village.

22 Ragab, a poor sailor, returns home to Alexandria after three years of absence, during which he tried to save money to marry his one true love, Hamedah. But there's trouble on the harbor, and with an old friend.

23 After the 1978 Israeli invasion of Lebanon, children try to sing the national anthem as citizens search for hope in the war-torn South.

24 When his employee disappears in Singapore, Shyam travels from India to investigate the absence and becomes entangled in a deadly plot.

25 In the aftermath of the 1967 defeat, four young Lebanese try to figure out their places in a society whose rules seem to have changed. It proved to be an extraordinary anticipation of the civil war that would engulf the country while the film was being edited.

26 In this Andre Gide adaptation, an activist is released after many years in prison and returns home, shaking up established relationships among his family members at the farm governed by his strict father. Demonstrating Chahine’s eclecticism, this is an elegant melodrama, exuberant musical, layered allegory, and profound portrait of personal and political disillusionment.

27 As a crazed killer blazes a trail of blood through an anxious city, a hardened cop aims to take him down by any means in this remake of Dirty Harry.

28 Havaldar Ratan is a rookie at the local police station, and is assigned duty on foot patrol on Manoranjan Street, a notorious red-light area, on the very first day of his job. He strikes up a conversation with a good-looking young woman named Nisha, and tells her that there is a possible violation of Suppression of Immoral Trafficking Act taking place on this street. He witnesses several women soliciting men, and decides to call in the paddy wagon, and get them arrested. Alas, one of the men frequenting the prostitutes is none other than Ratan's superior officer, who immediately summons Ratan, and has him removed from service on corruption charges. Nisha takes pity on a homeless and unemployed Ratan, and asks him to live with her. He does not want her to sell her body, and so he decides to work at night, and during the day he takes on the guise of a rich Nawab and spends time with her.

29 An honest man dreams of a better life for his family, but a childhood friend leads him into a world of crime that keeps happiness just out of reach.

30 At every station, between sites filled with poetry and nostalgia for a bygone era, the poet's dashed dreams and idealized vision of her country coincide with the director's own.

31 A small-time businessman (B.S. Sood) reaches the "naughty forties". Now his wife is not good enough anymore, so he decides he needs a modern up to date mistress, resulting in hilarious situations.

32 Maharaj Brajbhan lives a wealthy lifestyle in Bharatpur, India along with his wife, Badi Rani, but have been unable to conceive for Bharatpur, and have no choice but to leave it's reigns with Brajban's widowed cousin, Vikram, and his son, Kanchan. When Vikram finds out that Badi Rani is pregnant, he plots to first sully her character by having her abducted, then shunned by the Maharaj, and then decides to have her killed. But her killer has a change of heart and lets her live. She gives birth to a son, names him Bhola, and starts living a simple lifestyle in a Mandir with the help of it's Poojary. Years later Vikram finds out she is alive and kills her, as well the Poojary and the Poojary's son. Bhola witnesses this, manages to escape, starts to live with a poor widow, grows up uneducated, and makes a living through crime.

33 The true story of Henry Hill, a half-Irish, half-Sicilian Brooklyn kid who is adopted by neighbourhood gangsters at an early age and climbs the ranks of a Mafia family under the guidance of Jimmy Conway.

34 A pragmatic U.S. Marine observes the dehumanizing effects the U.S.-Vietnam War has on his fellow recruits from their brutal boot camp training to the bloody street fighting in Hue.

35 A former Prohibition-era Jewish gangster returns to the Lower East Side of Manhattan over thirty years later, where he once again must confront the ghosts and regrets of his old life.

36 During their travel from Chicago to New York, Harry and Sally debate whether or not sex ruins a friendship between a man and a woman. Eleven years later, and they're still no closer to finding the answer.

37 Teenagers in a small town are dropping like flies, apparently in the grip of mass hysteria causing their suicides. A cop's daughter, Nancy Thompson, traces the cause to child molester Fred Krueger, who was burned alive by angry parents many years before. Krueger has now come back in the dreams of his killers' children, claiming their lives as his revenge. Nancy and her boyfriend, Glen, must devise a plan to lure the monster out of the realm of nightmares and into the real world...

38 A young beautician, newly arrived in a small Louisiana town, finds work at the local salon, where a small group of women share a close bond of friendship and welcome her into the fold.

39 New rules enforced by the Lady Mayoress mean that sex, weight, height and intelligence need no longer be a factor for joining the Police Force. This opens the floodgates for all and sundry to enter the Police Academy, much to the chagrin of the instructors. Not everyone is there through choice, though. Social misfit Mahoney has been forced to sign up as the only alternative to a jail sentence and it doesn't take long before he falls foul of the boorish Lieutenant Harris. But before long, Mahoney realises that he is enjoying being a police cadet and decides he wants to stay... while Harris decides he wants Mahoney out!

40 Geeky student Arnie Cunningham falls for Christine, a rusty 1958 Plymouth Fury, and becomes obsessed with restoring the classic automobile to her former glory. As the car changes, so does Arnie, whose newfound confidence turns to arrogance behind the wheel of his exotic beauty. Arnie's girlfriend Leigh and best friend Dennis reach out to him, only to be met by a Fury like no other.

41 Dr. Malcolm Sayer, a shy research physician, uses an experimental drug to "awaken" the catatonic victims of a rare disease. Leonard is the first patient to receive the controversial treatment. His awakening, filled with awe and enthusiasm, proves a rebirth for Sayer too, as the exuberant patient reveals life's simple but unutterably sweet pleasures to the introverted doctor.

42 It's Christmastime, and the Griswolds are preparing for a family seasonal celebration. But things never run smoothly for Clark, his wife Ellen, and their two kids. Clark's continual bad luck is worsened by his obnoxious family guests, but he manages to keep going, knowing that his Christmas bonus is due soon.

43 When principal Joe Clark takes over decaying Eastside High School, he's faced with students wearing gang colors and graffiti-covered walls. Determined to do anything he must to turn the school around, he expels suspected drug dealers, padlocks doors and demands effort and results from students, staff and parents. Autocratic to a fault, this real-life educator put it all on the line.

44 Eddie Murphy delights, shocks and entertains with dead-on celebrity impersonations, observations on '80s love, sex and marriage, a remembrance of Mom's hamburgers and much more.

45 The story of Nola Darling's simultaneous sexual relationships with three different men is told by her and by her partners and other friends. All three men wanted her to commit solely to them; Nola resists being "owned" by a single partner.

46 Two young kids fall in love with each other. But the passion is too consuming for the parents of Jade. The parents try to stop them from seeing each other. But when this doesn't work, David burns down the house and is sent away. This doesn't stop him from seeing her. When he gets out he goes to look for her. But the passion for his first love is too strong and she has to leave.

47 Ebin Mathew, a budding lawyer ambitiously joins hands with his advocate friend Madhavi Mohan, to share a new office space in order for them to start their independent careers. Their relationship gets strained when they land on opposite ends of a case.

48 In UC 0093 the Federation has recovered from its defeat and has created a new anti-colonial special forces unit to deal with rebel forces: Londo Bell. Elsewhere in space Char Aznable re-appears out of self imposed hiding with a declaration that he now commands his own Neo-Zeon movementand intends to force the emigration of Earth's inhabitants to space by bringing about an apocalypse.

49 After managing to survive attacks by Zeon's Char Aznable and Garma Zabi, the crew of Federation warship White Base and its mobile suits must battle Zeon forces through Asia, Europe, and the Atlantic Ocean if they are to reach Earth Federation's headquarters alive. During that process many of its crewmembers must overcome their fears, losses, immaturities, and insecurities in order to survive.

50 This is a great performance. Through yelling and energetic story-telling, he talks about marriage, drugs, being arrested (thanks to his ex-wife), pleasing women, religion, and much, much more.

51 Mama Cora, who is almost eighty years old, has three sons and a daughter. She lives with one of them, who has serious financial problems. The family meets one day to celebrate an anniversary meal, and that is when the problem arises: which of them will take care of her?

52 Comedian Tim Allen shares his enthusiasm for power tools, automobiles, grunting, and the myriad obsessions of the American male in this special for the Showtime premium cable network, which was aired a few years before he rose to stardom with the television sitcom Home Improvement.

53 Amuro Ray and the rest of the White Base crew, now denominated the 13th Autonomous Corps, return to outer space to support the rest of the Earth Federation forces for the decisive battle against the Duchy of Zeon's forces.

54 Monty Python perform many of their greatest sketches at the Hollywood Bowl, including several from pre-Python days.

55 Anil, a street singer, is humiliated and driven out of Bombay along with his mother. However, he soon becomes a famous performer but the enemies from his past try to destroy his hard-earned career.

56 The movie depicts the life of a young boy, Vijay (Amitabh Bachchan), whose father gets brutally lynched by a mobster Kancha Cheena. It's a journey of his quest for revenge, which leads him to become a gangster as an adult. Watch out for Amitabh Bachchan in one of the most powerful roles of his career. Will Vijay lose his family in the process of satisfying his vengeance?

57 Steve Martin presents selected sketches from "Monty Python's Flying Circus (1969)". It's the well known sketches, though the parrot sketch is not included. Steve Martin has some funny comments on the Pythons.

58 TV movie based upon the true story of Calvin Graham, who, as a 12 year old boy, enlisted in the US Navy during WWII.

59 Religious beliefs clash with the law when an Amish infant is killed in a rural community.

60 The story of Ryan White, a 13-year-old haemophiliac who contracted AIDS from factor VIII, which was used to control this disorder.

61 Raja lives a poor lifestyle along with his dad, Hazariprasad and mom. He attends college where he has several run-ins with wealthy fellow-collegian, Madhu Mehra. Matters escalate to such an extent that she accuses him of sexually molesting her. When his dad comes to know, he decides to seize this chance to get rich quickly, masquerades as a wealthy businessman, approaches Mr. Mehra, and arranges for their children to get married. Murphy's law prevails at the time of the engagement - changing everyone's lives forever.

62 Follows the true story of John and Reve Walsh who, after their child was murdered, fought to raise national awareness of the problem of missing children.

63 Washington plays a school principal in a tough inner city Los Angeles high school out to rid it of drugs, gangs, low moral of teachers, and restore educational values.

64 When a defense lawyer's adulterous husband becomes the prime suspect in the murder of the woman he was cheating with, his wife chooses to defend him. Can she overcome his betrayal while searching for the truth?

65 Sane Man was filmed before Bill recorded ‘Dangerous’, his first comedy album, and is a turning point in Hicks’ career. It was the first complete Hicks show ever filmed and Bill pulled out all the stops for the cameras. Completely focused, a newly-sober Hicks paces the stage like a wild animal riffing effortless.

66 The film follows the story of Shankar, who is regarded as a criminal by the society after being in jail for ten years since childhood.

release\_year age\_certification runtime genres production\_countries

1 1976 R 114 ['drama', 'crime'] ['US']

2 1972 R 109 ['drama', 'action', 'thriller', 'european'] ['US']

3 1975 PG 91 ['fantasy', 'action', 'comedy'] ['GB']

4 1967 150 ['war', 'action'] ['GB', 'US']

5 1979 R 94 ['comedy'] ['GB']

6 1971 R 102 ['thriller', 'action', 'crime'] ['US']

7 1967 R 110 ['crime', 'drama', 'action'] ['US']

8 1980 R 104 ['romance', 'action', 'drama'] ['US']

9 1961 158 ['action', 'drama', 'war'] ['GB', 'US']

10 1966 PG-13 117 ['western', 'action', 'european'] ['US']

11 1979 R 78 ['comedy', 'documentation'] ['US']

12 1954 115 ['romance', 'comedy'] ['US']

13 1958 77 ['drama', 'crime', 'comedy'] ['EG']

14 1977 PG 150 ['history', 'documentation', 'european'] ['DE']

15 1972 R 97 ['war', 'documentation', 'music', 'comedy'] ['US']

16 1979 133 ['drama'] ['EG']

17 1969 129 ['drama'] ['EG']

18 1980 161 ['drama', 'comedy', 'crime', 'romance', 'action'] ['IN']

19 1963 186 ['action', 'drama', 'war', 'history', 'romance'] ['EG']

20 1979 146 ['drama', 'romance', 'action', 'fantasy', 'family'] ['SU', 'IN']

21 1954 100 ['crime', 'romance', 'drama'] ['EG']

22 1956 120 ['action', 'drama', 'romance', 'thriller'] ['EG']

23 1979 74 ['documentation'] ['LB', 'CA', 'FR']

24 1960 158 ['drama', 'thriller', 'crime'] ['IN']

25 1975 110 ['drama'] ['LB']

26 1976 124 ['music', 'drama', 'crime'] ['DZ', 'EG']

27 1973 131 ['crime', 'thriller'] ['IN']

28 1974 162 ['romance', 'drama', 'comedy'] ['IN']

29 1959 142 ['romance', 'crime', 'drama'] ['IN']

30 1980 93 ['documentation'] ['CA', 'FR', 'LB']

31 1976 135 ['romance'] ['IN']

32 1978 141 ['drama', 'action', 'romance'] ['IN']

33 1990 R 145 ['drama', 'crime'] ['US']

34 1987 R 117 ['war', 'drama'] ['US', 'GB']

35 1984 R 139 ['crime', 'drama', 'european'] ['US', 'IT']

36 1989 R 96 ['comedy', 'romance', 'drama'] ['US']

37 1984 R 91 ['horror'] ['GB', 'US']

38 1989 PG 119 ['comedy', 'drama', 'romance'] ['US']

39 1984 R 97 ['crime', 'comedy'] ['US']

40 1983 R 110 ['horror', 'thriller', 'european'] ['US']

41 1990 PG-13 120 ['drama', 'european'] ['US']

42 1989 PG-13 97 ['comedy', 'european'] ['US']

43 1989 PG-13 105 ['drama'] ['US']

44 1987 R 90 ['comedy', 'documentation'] ['US']

45 1986 R 84 ['romance', 'comedy'] ['US']

46 1981 R 116 ['romance', 'drama'] ['US']

47 1983 123 ['drama', 'thriller'] ['IN']

48 1988 119 ['scifi', 'animation', 'action', 'drama', 'war'] ['JP']

49 1981 133 ['animation', 'scifi', 'action', 'drama', 'war'] ['JP']

50 1987 R 50 ['comedy', 'documentation'] ['US']

51 1985 87 ['comedy'] ['AR']

52 1990 30 ['comedy', 'documentation'] ['US']

53 1982 144 ['action', 'drama', 'war', 'animation', 'scifi'] ['JP']

54 1982 R 81 ['comedy', 'documentation'] ['GB']

55 1982 106 ['drama', 'romance'] ['IN']

56 1990 174 ['drama', 'action', 'crime'] ['IN']

57 1989 72 ['comedy'] ['GB']

58 1988 100 ['drama', 'war'] ['US']

59 1988 120 ['thriller', 'crime', 'drama'] ['US']

60 1989 102 ['drama'] ['US']

61 1990 172 ['drama', 'comedy', 'romance'] ['IN']

62 1986 100 ['crime', 'drama'] ['US']

63 1988 100 ['drama'] ['US']

64 1990 94 ['drama', 'crime'] ['US']

65 1989 R 80 ['comedy'] ['US']

66 1989 162 ['drama', 'action', 'crime'] ['IN']

seasons imdb\_id imdb\_score imdb\_votes tmdb\_popularity tmdb\_score

1 NA tt0075314 8.2 808582 40.965 8.179

2 NA tt0068473 7.7 107673 10.010 7.300

3 NA tt0071853 8.2 534486 15.461 7.811

4 NA tt0061578 7.7 72662 20.398 7.600

5 NA tt0079470 8.0 395024 17.770 7.800

6 NA tt0066999 7.7 155051 12.817 7.500

7 NA tt0061418 7.7 112048 15.687 7.500

8 NA tt0080453 5.8 69844 50.324 6.156

9 NA tt0054953 7.5 50748 13.844 7.300

10 NA tt0060862 7.3 16446 13.123 7.100

11 NA tt0079807 8.1 5141 4.718 7.500

12 NA tt0047673 7.5 42488 8.915 7.200

13 NA tt0051390 7.5 4471 5.546 7.300

14 NA tt0191182 7.5 2460 4.305 7.300

15 NA tt0068562 6.2 418 1.268 6.100

16 NA tt0077751 7.2 1727 1.370 6.000

17 NA tt0064038 8.1 1958 1.265 8.500

18 NA tt0080653 2.1 25 3.980 4.900

19 NA tt0057357 7.6 2508 4.156 7.100

20 NA tt0079749 6.2 565 2.582 6.800

21 NA tt0047500 7.4 1219 2.184 7.000

22 NA tt0049761 6.7 610 0.849 5.900

23 NA tt0170799 6.1 47 0.600 5.200

24 NA tt0268639 6.4 84 0.792 6.300

25 NA tt0169599 6.4 108 1.025 7.200

26 NA tt0074168 7.2 780 1.858 5.300

27 NA tt0230412 5.1 41 1.948 3.800

28 NA tt0071811 6.5 237 1.532 5.300

29 NA tt0157132 6.6 78 0.840 6.000

30 NA tt0170803 7.8 78 0.600 5.000

31 NA tt3290368 4.6 14 0.620 6.000

32 NA tt1219315 4.4 35 1.166 6.000

33 NA tt0099685 8.7 1131681 50.387 8.463

34 NA tt0093058 8.3 729274 32.937 8.100

35 NA tt0087843 8.3 345714 28.937 8.453

36 NA tt0098635 7.7 216199 15.123 7.400

37 NA tt0087800 7.4 234068 48.358 7.300

38 NA tt0098384 7.3 54946 11.690 7.200

39 NA tt0087928 6.7 124881 25.533 6.600

40 NA tt0085333 6.7 81922 23.418 6.800

41 NA tt0099077 7.8 139240 12.230 7.800

42 NA tt0097958 7.5 185760 18.862 7.200

43 NA tt0097722 7.4 20680 19.449 7.300

44 NA tt0092948 7.6 19757 7.992 7.300

45 NA tt0091939 6.7 14472 7.416 6.707

46 NA tt0082329 4.9 8524 19.116 5.700

47 NA tt13913068 6.7 388 3.790 NA

48 NA tt0095262 7.3 1693 8.092 6.700

49 NA tt0159510 7.2 1274 13.125 7.200

50 NA tt0307403 7.2 660 1.843 7.200

51 NA tt0089108 8.0 6399 7.810 8.100

52 NA tt0259057 6.1 360 2.482 6.300

53 NA tt0159511 7.6 1236 12.741 7.500

54 NA tt0084352 7.9 15230 6.833 7.400

55 NA tt0208903 6.4 1476 7.879 5.300

56 NA tt0098999 7.6 8947 4.062 6.500

57 NA tt0213984 8.1 1522 1.801 6.900

58 NA tt0096286 6.7 502 1.485 6.200

59 NA tt0096179 5.9 387 1.010 5.800

60 NA tt0098237 7.2 863 1.981 5.900

61 NA tt0099429 6.6 5316 3.992 6.500

62 NA tt0090589 7.0 212 1.603 7.000

63 NA tt0091106 6.0 921 2.296 6.100

64 NA tt0099396 5.6 207 2.444 4.900

65 NA NA NA 3.377 7.500

66 NA tt0097926 5.4 197 1.418 6.000

[ reached 'max' / getOption("max.print") -- omitted 3678 rows ]

>

> # Checking three different MOVIE data frames for 3 different decades.

> HuluMOVIE90 <- (Hulu\_titles %>% filter(release\_year %in% c('1990','1991','1992','1993','1994','1995','1996','1997','1998','1999')))

> unique(HuluMOVIE90$type)

[1] "MOVIE" "SHOW"

> HuluMOVIE00 <- (Hulu\_titles %>% filter(release\_year %in% c('2000','2001','2002','2003','2004','2005','2006','2007','2008','2009')))

> unique(HuluMOVIE00$type)

[1] "SHOW" "MOVIE"

> HuluMOVIE10 <- (Hulu\_titles %>% filter(release\_year %in% c('2010','2011','2012','2013','2014','2015','2016','2017','2018','2019')))

> unique(HuluMOVIE10$type)

[1] "SHOW" "MOVIE"

>

> #How have MOVIE runtimes changed over the decades?

> #1990's MOVIE Runtimes

> MeansRunTimeMOVIE90 <- HuluMOVIE90 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeMOVIE90

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 1990 119.

2 1991 79.8

3 1992 70.7

4 1993 106.

5 1994 102.

6 1995 106.

7 1996 82.1

8 1997 110.

9 1998 93.1

10 1999 99.2

> # Checking 1990's OVERALL Means Run Time

> TotalMeansRunTime90 <- HuluMOVIE90 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime90

Mean

1 98.57851

> #2000's MOVIE Runtimes

> MeansRunTimeMOVIE00 <- HuluMOVIE00 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeMOVIE00

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 2000 82.6

2 2001 97.9

3 2002 80

4 2003 88.1

5 2004 101.

6 2005 92.5

7 2006 94.5

8 2007 94.1

9 2008 91.2

10 2009 91

> #2000's Overall Mean Run Time

> TotalMeansRunTime00 <- HuluMOVIE00 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime00

Mean

1 92.271

> #2010's MOVIE Runtimes

> MeansRunTimeMOVIE10 <- HuluMOVIE10 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeMOVIE10

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 2010 86.7

2 2011 84.5

3 2012 87.9

4 2013 84.9

5 2014 82.6

6 2015 74.4

7 2016 73.8

8 2017 77.0

9 2018 73.8

10 2019 74.0

> #2010's Overall Means Run Time

> TotalMeansRunTime10 <- HuluMOVIE10 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime10

Mean

1 76.29631

> nrow(HuluMOVIE90[!is.na(HuluMOVIE90$runtime),])

[1] 121

> nrow(HuluMOVIE10[!is.na(HuluMOVIE10$runtime),])

[1] 3304

> nrow(HuluMOVIE00[!is.na(HuluMOVIE00$runtime),])

[1] 369

>

> #nΣ(Xj – X..)2

> # n: the sample size of group j Σ: a greek symbol that means “sum” Xj: the mean of group j X..: the overall mean

> # sample size of group j(sum)(mean of group j- overall mean)2

> # Performing a Kruskal-Wallis test for data that is non-parametic (in our case uneven sample sizes)?

> nrow(HuluMOVIE[!is.na(HuluMOVIE$runtime),])

[1] 3744

>

> # How have SHOW runtimes changed over the decades?

> # Creating Data Frame for Shows.

> HuluSHOW <- (Hulu\_titles %>% filter(type %in% c('SHOW')))

> write.csv(HuluSHOW,".View(Hulu\_titles)", row.names = FALSE)

> head(HuluSHOW)

id title type

1 ts300399 Five Came Back: The Reference Films SHOW

2 ts22164 Monty Python's Flying Circus SHOW

3 ts45948 Monty Python's Fliegender Zirkus SHOW

4 ts20681 Seinfeld SHOW

5 ts22082 Knight Rider SHOW

6 ts21715 Thomas & Friends SHOW

description

1 This collection includes 12 World War II-era propaganda films — many of which are graphic and offensive — discussed in the docuseries "Five Came Back."

2 A British sketch comedy series with the shows being composed of surreality, risqué or innuendo-laden humour, sight gags and observational sketches without punchlines.

3 Monty Python's Fliegender Zirkus consisted of two 45-minute Monty Python German television comedy specials produced by WDR for West German television. The two episodes were first broadcast in January and December 1972 and were shot entirely on film and mostly on location in Bavaria, with the first episode recorded in German and the second recorded in English and then dubbed into German.

4 A stand-up comedian and his three offbeat friends weather the pitfalls and payoffs of life in New York City in the '90s. It's a show about nothing.

5 Michael Long, an undercover police officer, is shot while investigating a case and left for dead by his assailants. He is rescued by Wilton Knight, a wealthy, dying millionaire and inventor who arranges life-saving surgery, including a new face and a new identity--that of Michael Knight. Michael is then given a special computerized and indestructible car called the Knight Industries Two Thousand (nicknamed KITT), and a mission: apprehend criminals who are beyond the reach of the law. The series depicts Michael's exploits as he and KITT battle the forces of evil on behalf of the Foundation for Law and Government.

6 Thomas & Friends is a British children's television series, which had its first broadcast on the ITV network on 4 September 1984. It is based on The Railway Series of books by the Reverend Wilbert Awdry and his son, Christopher Awdry. These books deal with the adventures of a group of anthropomorphised locomotives and road vehicles who live on the fictional Island of Sodor. The books were based on stories Wilbert told to entertain his son, Christopher during his recovery from measles. From Series one to four, many of the stories are based on events from Awdry's personal experience.

release\_year age\_certification runtime genres

1 1945 TV-MA 51 ['documentation']

2 1969 TV-14 30 ['comedy', 'european']

3 1972 TV-MA 43 ['comedy']

4 1989 TV-PG 24 ['comedy']

5 1982 TV-PG 51 ['scifi', 'action', 'crime', 'drama']

6 1984 TV-Y 10 ['animation', 'family', 'comedy', 'fantasy', 'drama', 'action', 'music']

production\_countries seasons imdb\_id imdb\_score imdb\_votes tmdb\_popularity tmdb\_score

1 ['US'] 1 NA NA 0.600 NA

2 ['GB'] 4 tt0063929 8.8 73424 17.617 8.306

3 [] 1 tt0202477 8.1 2151 1.487 7.000

4 ['US'] 9 tt0098904 8.9 308824 130.213 8.301

5 ['US'] 4 tt0083437 6.9 34115 50.267 7.500

6 ['GB'] 24 tt0086815 6.5 5104 42.196 6.500

>

> # Checking three different Shows data frames for 3 different decades.

> HuluSHOW90 <- (Hulu\_titles %>% filter(release\_year %in% c('1990','1991','1992','1993','1994','1995','1996','1997','1998','1999')))

> unique(HuluSHOW90$type)

[1] "MOVIE" "SHOW"

> HuluSHOW00 <- (Hulu\_titles %>% filter(release\_year %in% c('2000','2001','2002','2003','2004','2005','2006','2007','2008','2009')))

> unique(HuluSHOW00$type)

[1] "SHOW" "MOVIE"

> HuluSHOW10 <- (Hulu\_titles %>% filter(release\_year %in% c('2010','2011','2012','2013','2014','2015','2016','2017','2018','2019')))

> unique(HuluSHOW10$type)

[1] "SHOW" "MOVIE"

>

> #How have Shows runtimes changed over the decades?

> #1990's Shows runtimes

> MeansRunTimeSHOW90 <- HuluSHOW90 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeSHOW90

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 1990 119.

2 1991 79.8

3 1992 70.7

4 1993 106.

5 1994 102.

6 1995 106.

7 1996 82.1

8 1997 110.

9 1998 93.1

10 1999 99.2

> # Checking 1990's OVERALL Means Run Time

> TotalMeansRunTime90 <- HuluSHOW90 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime90

Mean

1 98.57851

> #2000's MOVIE Runtimes

> MeansRunShow00 <- HuluSHOW00 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeMOVIE00

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 2000 82.6

2 2001 97.9

3 2002 80

4 2003 88.1

5 2004 101.

6 2005 92.5

7 2006 94.5

8 2007 94.1

9 2008 91.2

10 2009 91

> #2000's Overall Mean Run Time

> TotalMeansRunTime00 <- HuluSHOW00 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime00

Mean

1 92.271

> #2010's MOVIE Runtimes

> MeansRunTimeSHOW10 <- HuluSHOW10 %>% group\_by(release\_year) %>% summarize(Mean = mean(runtime))

> MeansRunTimeSHOW10

# A tibble: 10 × 2

release\_year Mean

<int> <dbl>

1 2010 86.7

2 2011 84.5

3 2012 87.9

4 2013 84.9

5 2014 82.6

6 2015 74.4

7 2016 73.8

8 2017 77.0

9 2018 73.8

10 2019 74.0

> #2010's Overall Means Run Time

> TotalMeansRunTime10 <- HuluSHOW10 %>% summarize(Mean = mean(runtime))

> TotalMeansRunTime10

Mean

1 76.29631

> nrow(HuluSHOW90[!is.na(HuluSHOW90$runtime),])

[1] 121

> nrow(HuluSHOW10[!is.na(HuluSHOW10$runtime),])

[1] 3304

> nrow(HuluSHOW00[!is.na(HuluSHOW00$runtime),])

[1] 369

> # nΣ(Xj – X..)2

> #n: the sample size of group j Σ: a greek symbol that means “sum” Xj: the mean of group j X..: the overall mean

> #sample size of group j(sum)(mean of group j- overall mean)2

>

> # Perform a Kruskal-Wallis test for data that is non-parametic (in our case uneven sample sizes)?

> nrow(HuluSHOW[!is.na(HuluSHOW$runtime),])

[1] 2106

>

> #Perform a Kruskall-Wallis Test to test for analysis of variance when non-parametic

> #(in our case uneven sample sizes)

> # Kruskall-Wallis Test for variance of runtime of movies by year

> kruskal.test(runtime ~ release\_year, data=HuluSHOW)

Kruskal-Wallis rank sum test

data: runtime by release\_year

Kruskal-Wallis chi-squared = 87.946, df = 41, p-value = 2.845e-05

> # P-value shows a significant difference in the average show runtime

>

> # Kruskall-Wallis Test for variance of runtime of movies by year

> kruskal.test(runtime ~ release\_year, data = HuluMOVIE)

Kruskal-Wallis rank sum test

data: runtime by release\_year

Kruskal-Wallis chi-squared = 205.51, df = 61, p-value < 2.2e-16

> # Since this p-value is greater than 0.05, we can reject the null hypothesis that the median runtime is the same across the years

>

> # How Have IMDB ratings changed for shows over the decades?

> IMDB<-HuluSHOW %>% group\_by(release\_year) %>% summarize(Mean = mean(imdb\_score, na.rm = TRUE))

> IMDB

# A tibble: 42 × 2

release\_year Mean

<int> <dbl>

1 1945 NaN

2 1969 8.8

3 1972 8.1

4 1981 7.4

5 1982 6.9

6 1983 6.7

7 1984 6.5

8 1987 6.1

9 1988 3.8

10 1989 7.5

# … with 32 more rows

# ℹ Use `print(n = ...)` to see more rows

> mean(HuluSHOW90$imdb\_score, na.rm = TRUE)

[1] 6.864035

> mean(HuluSHOW00$imdb\_score, na.rm = TRUE)

[1] 6.854203

> mean(HuluSHOW10$imdb\_score, na.rm = TRUE)

[1] 6.576682

> kruskal.test(imdb\_score ~ release\_year, data = HuluSHOW)

Kruskal-Wallis rank sum test

data: imdb\_score by release\_year

Kruskal-Wallis chi-squared = 157.66, df = 39, p-value = 3.346e-16

>

> # How Have IMDB ratings changed for movies over the decades?

> IMDB<-HuluMOVIE %>% group\_by(release\_year) %>% summarize(Mean = mean(imdb\_score, na.rm = TRUE))

> IMDB

# A tibble: 62 × 2

release\_year Mean

<int> <dbl>

1 1954 7.45

2 1956 6.7

3 1958 7.5

4 1959 6.6

5 1960 6.4

6 1961 7.5

7 1963 7.6

8 1966 7.3

9 1967 7.7

10 1969 8.1

# … with 52 more rows

# ℹ Use `print(n = ...)` to see more rows

> mean(HuluMOVIE90$imdb\_score, na.rm = TRUE)

[1] 6.864035

> mean(HuluMOVIE00$imdb\_score, na.rm = TRUE)

[1] 6.854203

> mean(HuluMOVIE10$imdb\_score, na.rm = TRUE)

[1] 6.576682

> kruskal.test(imdb\_score ~ release\_year, data = HuluMOVIE)

Kruskal-Wallis rank sum test

data: imdb\_score by release\_year

Kruskal-Wallis chi-squared = 195, df = 61, p-value = 6.339e-16

>

> # Lets Compare Hulu IMDB scores to the Average IMDB score for streaming services (Netlfix, Hulu and HBO)

> # Hulu Movie Average IMDB score

> Hulu\_MOVIE\_mean = mean(HuluMOVIE$imdb\_score, na.rm = TRUE)

> Hulu\_MOVIE\_mean

[1] 6.246748

> # Hulu Movie Average IMDB score is 6.2

>

> # Hulu Shows Average IMDB score

> Hulu\_SHOW\_mean = mean(HuluSHOW$imdb\_score, na.rm = TRUE)

> Hulu\_SHOW\_mean

[1] 6.977927

> # Show Show Average IMDB score is 7.0

>

> # T-TEST for Movies - Is there a significant difference between the average Hulu Mmvie

> # IMDB score and the overall IMDB score for streaming services?

> t\_obj <- t.test(HuluMOVIE$imdb\_score, mu = 6.2)

> print(t\_obj)

One Sample t-test

data: HuluMOVIE$imdb\_score

t = 2.4279, df = 3428, p-value = 0.01524

alternative hypothesis: true mean is not equal to 6.2

95 percent confidence interval:

6.208997 6.284499

sample estimates:

mean of x

6.246748

> # As we can see that the P-value is less than .05. We can see that Hulu movies have a significantly

> # lower IMDB score at 6.2 than the overall average score of 6.4

>

> # T-TEST for Shows - Is there a significant difference between the average Hulu show

> # IMDB score and the overall IMDB score for streaming services?

> t\_obj <- t.test(HuluSHOW$imdb\_score, mu = 7.0)

> print(t\_obj)

One Sample t-test

data: HuluSHOW$imdb\_score

t = -0.90215, df = 1938, p-value = 0.3671

alternative hypothesis: true mean is not equal to 7

95 percent confidence interval:

6.929942 7.025912

sample estimates:

mean of x

6.977927

> # AS we can see that the P-value is greater than .05 so there is NOT a signifcant difference in averages.

> # The Average Netflix score of 7.0 is the same as the overall average of 7.0