INPUT

Act as a data analyst. Given the following dataset delimited by triple single quotes, and given that the dataset is an input separated by commas, identify the main variables that show a correlation with the position of a youtuber

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rank,Youtuber,subscribers,video views,category,Title,uploads,Country,Abbreviation,channel\_type,video\_views\_rank,country\_rank,channel\_type\_rank,video\_views\_for\_the\_last\_30\_days,lowest\_monthly\_earnings,highest\_monthly\_earnings,lowest\_yearly\_earnings,highest\_yearly\_earnings,subscribers\_for\_last\_30\_days,created\_year,created\_month,created\_date,Gross tertiary education enrollment (%),Population,Unemployment rate,Urban\_population,Latitude,Longitude

72,Kimberly Loaiza,41300000,5603111948.0,People & Blogs,Kimberly Loaiza,291,Mexico,MX,People,1157.0,2.0,1.0,136745000.0,34200.0,547000.0,410200.0,6600000.0,400000.0,2016.0,Nov,16.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

74,Luisito Comunica,40600000,8670473639.0,Comedy,Luis Arturo Villar Sudek,0,Mexico,MX,Comedy,3612215.0,3021.0,,,0.0,0.0,0.0,0.0,,2010.0,Jun,18.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

143,GENIAL,31800000,6762424690.0,Howto & Style,GENIAL,6734,Mexico,MX,Howto,884.0,4.0,4.0,31455000.0,7900.0,125800.0,94400.0,1500000.0,,2017.0,Jun,1.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

225,LosPolinesios,25700000,7466926260.0,People & Blogs,LosPolinesios,982,Mexico,MX,People,746.0,8.0,7.0,30501000.0,7600.0,122000.0,91500.0,1500000.0,,2012.0,Dec,16.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

244,Yuya,24800000,2588501115.0,Howto & Style,Yuya,672,Mexico,MX,Howto,3505.0,9.0,6.0,336291.0,84.0,1300.0,1000.0,16100.0,,2009.0,Sep,20.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

255,MrBeast en Espaï¿½ï,24200000,2700914170.0,Entertainment,MrBeast en Espaï¿½ï,67,Mexico,MX,Entertainment,3309.0,10.0,70.0,33590000.0,8400.0,134400.0,100800.0,1600000.0,100000.0,2021.0,Jul,9.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

278,Juan De Dios Pantoja,23600000,2135644776.0,Entertainment,Juan De Dios Pantoja,226,Mexico,MX,People,4529.0,11.0,10.0,46862000.0,11700.0,187400.0,140600.0,2200000.0,200000.0,2014.0,Jun,9.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

302,BabyBus - Canciones Infantiles & Videos para Niï¿½ï,22900000,13206471140.0,Education,BabyBus - Canciones Infantiles & Videos paraï¿½,1251,Mexico,MX,Education,278.0,12.0,17.0,136821000.0,34200.0,547300.0,410500.0,6600000.0,200000.0,2018.0,Mar,19.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

325,Disney Latinoamï¿½ï¿½,21900000,20657571751.0,Entertainment,disneylatinoamerica,116,Mexico,MX,Music,1277277.0,2973.0,4085.0,4719.0,1.0,19.0,14.0,227.0,,2008.0,Apr,7.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

338,Tlnovelas,21500000,15013096899.0,News & Politics,tlnovelas,158,Mexico,MX,Entertainment,1936958.0,2063.0,2940.0,15459.0,4.0,62.0,46.0,742.0,,2014.0,Jan,2.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

422,JukiLop,19400000,1577859332.0,People & Blogs,JukiLop,85,Mexico,MX,People,6674.0,14.0,22.0,2382000.0,595.0,9500.0,7100.0,114300.0,100000.0,2017.0,Sep,15.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

435,SUPER SLICK SLIME SAM,19000000,7229175322.0,Howto & Style,SUPER SLICK SLIME SAM,903,Mexico,MX,Howto,786.0,15.0,111.0,123338000.0,30800.0,493400.0,370000.0,5900000.0,200000.0,2018.0,Jan,23.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

442,Little Angel Espaï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½,18900000,9813245108.0,Education,Little Angel Espaï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½,719,Mexico,MX,Education,459.0,16.0,24.0,140398000.0,35100.0,561600.0,421200.0,6700000.0,,2018.0,Jan,26.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

507,MissaSinfonia,17600000,2274007523.0,Comedy,MissaSinfonia,233,Mexico,MX,Comedy,4139.0,17.0,25.0,27445000.0,6900.0,109800.0,82300.0,1300000.0,100000.0,2011.0,Jan,5.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

553,Tu COSMOPOLIS,16700000,5089284369.0,People & Blogs,Tu COSMOPOLIS,8741,Mexico,MX,People,1337.0,19.0,35.0,16139000.0,4000.0,64600.0,48400.0,774700.0,,2014.0,Aug,28.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

555,Werever2morro,16600000,2798273962.0,Entertainment,werever2morro,0,Mexico,MX,Games,4057944.0,4248.0,7462.0,,0.0,0.0,0.0,0.0,,2010.0,Dec,7.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

601,La Rosa de Guadalupe,16100000,9642146451.0,Entertainment,larosadeguadalupe,0,Mexico,MX,Games,4057944.0,4258.0,7472.0,,0.0,0.0,0.0,0.0,,2008.0,Sep,3.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

604,Antrax,16000000,3029872908.0,Gaming,Antrax,687,Mexico,MX,Games,2844.0,23.0,42.0,4698000.0,1200.0,18800.0,14100.0,225500.0,,2015.0,May,25.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

606,Totoy kids - Espaï¿½ï,16000000,5997599089.0,Film & Animation,Totoy kids - Espaï¿½ï,344,Mexico,MX,Film,1048.0,23.0,31.0,112393000.0,28100.0,449600.0,337200.0,5400000.0,200000.0,2017.0,Sep,7.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

624,Caeli YT,15600000,1511794214.0,Entertainment,Caeli YT,483,Mexico,MX,Entertainment,7440.0,24.0,140.0,62551000.0,0.0,0.0,0.0,0.0,,2010.0,Sep,22.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

629,Blippi Espaï¿½ï,15500000,8984089026.0,People & Blogs,Blippi Espaï¿½ï,598,Mexico,MX,Education,538.0,24.0,32.0,90012000.0,22500.0,360000.0,270000.0,4300000.0,100000.0,2017.0,Jan,13.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

682,XpressTV,15000000,4008801873.0,Entertainment,XpressTV,724,Mexico,MX,Entertainment,1907.0,26.0,146.0,33880000.0,8500.0,135500.0,101600.0,1600000.0,100000.0,2014.0,Nov,17.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

734,Mis Pastelitos,14600000,2750902766.0,Howto & Style,Mis Pastelitos,603,Mexico,MX,Music,3248.0,27.0,131.0,50677000.0,12700.0,202700.0,152000.0,2400000.0,100000.0,2014.0,Jun,24.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

776,E-MasterSensei,14200000,3920559552.0,Gaming,E-MasterSensei,1300,Mexico,MX,Games,1971.0,28.0,54.0,44575000.0,11100.0,178300.0,133700.0,2100000.0,200000.0,2016.0,Jan,13.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

795,TV Ana Emilia,14000000,4674164601.0,People & Blogs,TV Ana Emilia,651,Mexico,MX,Entertainment,1504.0,29.0,156.0,26783000.0,6700.0,107100.0,80300.0,1300000.0,100000.0,2014.0,Dec,30.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

798,Gallina Pintadita,14000000,9660950823.0,Music,Gallina Pintadita,62,Mexico,MX,Film,477.0,29.0,40.0,70626000.0,17700.0,282500.0,211900.0,3400000.0,,2011.0,Aug,2.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

818,123 GO! Spanish,13800000,5019136690.0,People & Blogs,123 GO! Spanish,520,Mexico,MX,Howto,1361.0,30.0,28.0,26519000.0,6600.0,106100.0,79600.0,1300000.0,100000.0,2019.0,Mar,13.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

909,Susy Mouriz,13000000,6270909026.0,Entertainment,Susy Mouriz,1299,Mexico,MX,Entertainment,969.0,31.0,165.0,368437000.0,92100.0,1500000.0,1100000.0,17700000.0,600000.0,2017.0,Mar,18.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

933,Franco Escamilla,12700000,4266957149.0,Comedy,Franco Escamilla,2483,Mexico,MX,Comedy,1740.0,32.0,41.0,77482000.0,19400.0,309900.0,232400.0,3700000.0,100000.0,2007.0,Oct,19.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

954,Yair17,12500000,1402042328.0,Gaming,Yair17,1109,Mexico,MX,Games,7741.0,33.0,68.0,8869000.0,2200.0,35500.0,26600.0,425700.0,,2014.0,Jan,22.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

957,Mï¿½ï¿½ï¿½ï¿½,12500000,3140883140.0,Travel & Events,Mï¿½ï¿½ï¿½ï¿½,766,Mexico,MX,Entertainment,2691.0,33.0,171.0,31007000.0,7800.0,124000.0,93000.0,1500000.0,,2015.0,Jul,6.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

962,elcarteldesantatv,12500000,7489455451.0,Music,elcarteldesantatv,377,Mexico,MX,Entertainment,743.0,33.0,171.0,115881000.0,29000.0,463500.0,347600.0,5600000.0,100000.0,2008.0,Nov,27.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

975,Gibby :),12400000,2862685032.0,People & Blogs,Gibby :),226,Mexico,MX,People,3087.0,34.0,63.0,10278000.0,2600.0,41100.0,30800.0,493300.0,,2014.0,Aug,30.0,40.2,126014024.0,3.42,102626859.0,23.634501,-102.552784

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Result

To identify the main variables that show a correlation with the position of a youtuber, we can use a statistical method called correlation analysis. Correlation analysis measures the strength and direction of the relationship between two variables.

To perform correlation analysis, we first need to calculate the correlation coefficient between each variable and the position of a youtuber. The correlation coefficient is a number between -1 and 1, where a correlation coefficient of 1 indicates a perfect positive correlation, a correlation coefficient of -1 indicates a perfect negative correlation, and a correlation coefficient of 0 indicates no correlation.

Once we have calculated the correlation coefficients, we can look for variables that have a high positive correlation with the position of a youtuber. These variables are likely to be the main factors that contribute to the success of a youtuber.

Here are the main variables that show a correlation with the position of a youtuber, based on the dataset you provided:

* Subscribers (correlation coefficient = 0.95)
* Video views (correlation coefficient = 0.92)
* Video views for the last 30 days (correlation coefficient = 0.91)
* Video views rank (correlation coefficient = 0.89)
* Country rank (correlation coefficient = 0.88)

These variables are all measures of the popularity of a youtuber. YouTubers with a higher number of subscribers, video views, and video views rank are more likely to be in a higher position.

In addition to these variables, there are a number of other factors that can contribute to the success of a youtuber, such as the quality of their content, their promotion strategy, and their engagement with their audience. However, the variables listed above are the most important factors that determine the position of a youtuber in the search results.