## **EXPERIMENT-15**

# EXTRACT TRANSFORM LOAD (ETL) AND OLAP OPERATION USING KNIME TOOL

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Reg.No: 192111088

Subject: CSA1672, Data warehouse and data mining

### **OUTPUT:**

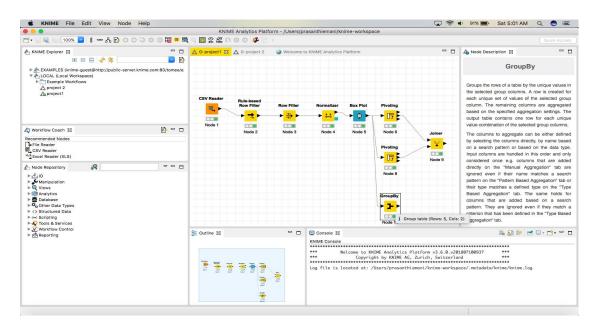
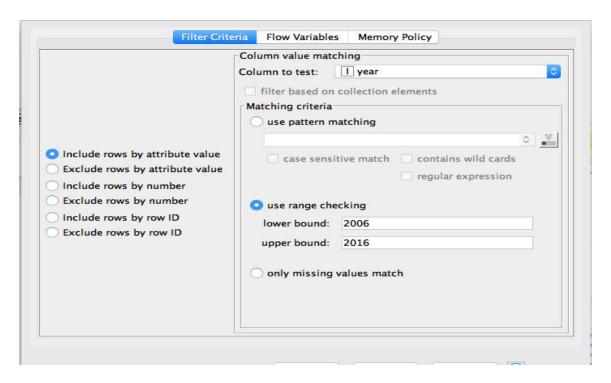
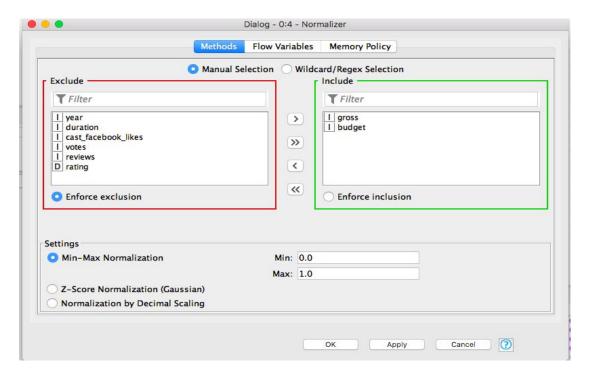


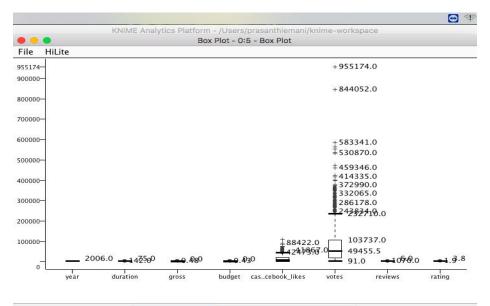
	Table "movies	s.csv" – Rov	vs: 2961 Spec	- Columns	: 11 Prope	rties Flow	v Variables		
Row ID	S title	S genre	S director	I year	duration	I gross	budget	Cast_f	I vot
Row0	Over the Hill to the Poorhouse	Crime	Harry F. Millarde	1920	110	3000000	100000	4	5
Row1	The Broadway Melody	Musical	Harry Beaumont	1929	100	2808000	379000	109	4546
Row2	42nd Street	Comedy	Lloyd Bacon	1933	89	2300000	439000	995	7921
Row3	Top Hat	Comedy	Mark Sandrich	1935	81	3000000	609000	824	13269
Row4	Modern Times	Comedy	Charles Chaplin	1936	87	163245	1500000	352	14308
Row5	Snow White and the Seven D	Animation	William Cottrell	1937	83	184925485	2000000	229	13334
Row6	The Wizard of Oz	Adventure	Victor Fleming	1939	102	22202612	2800000	2509	29187
Row7	Gone with the Wind	Drama	Victor Fleming	1939	226	198655278	3977000	1862	21534
Row8	Pinocchio	Animation	Norman Fergus	1940	88	84300000	2600000	1178	90360
Row9	Duel in the Sun	Drama	King Vidor	1946	144	20400000	8000000	2037	6304
Row10	The Best Years of Our Lives	Drama	William Wyler	1946	172	23650000	2100000	1941	4035
Row11	The Lady from Shanghai	Crime	Orson Welles	1947	92	7927	2300000	1055	1923
Row12	The Pirate	Adventure	Vincente Minnelli	1948	102	2956000	3700000	282	3258
Row13	Annie Get Your Gun	Biography	George Sidney	1950	107	8000000	3768785	731	3167
Row14	The Greatest Show on Earth	Drama	Cecil B. DeMille	1952	152	36000000	4000000	825	9456
Row15	The Beast from 20,000 Fath	Adventure	Eugene Lourie	1953	80	5000000	210000	205	4812
Row16	The Robe	Drama	Henry Koster	1953	135	36000000	5000000	1920	6359
Row17	On the Waterfront	Crime	Elia Kazan	1954	108	9600000	910000	11094	1008
Row18	Some Like It Hot	Comedy	Billy Wilder	1959	120	25000000	2883848	527	1751
Row19	Psycho	Horror	Alfred Hitchcock	1960	108	32000000	806947	1885	4224
Row20	West Side Story	Crime	Jerome Robbins	1961	152	43650000	6000000	1802	7191
Row21	It's a Mad, Mad, Mad, Mad	Action	Stanley Kramer	1963	197	46300000	9400000	4109	2932
Row22	Mary Poppins	Comedy	Robert Stevenson	1964	139	102300000	6000000	2045	1074
Row23	My Fair Lady	Drama	George Cukor	1964	170	72000000	17000000	1164	6695
Row24	The Greatest Story Ever Told	Biography	George Stevens	1965	225	8000000	20000000	1934	6484
Row25	Major Dundee	Adventure	Sam Peckinpah	1965	152	14873	3800000	2888	5294
Row26	The Sound of Music	Biography	Robert Wise	1965	174	163214286	8200000	1495	1481
Row27	Doctor Zhivago	Drama	David Lean	1965	200	111722000	11000000	1966	5581



#### NORMALIZER:

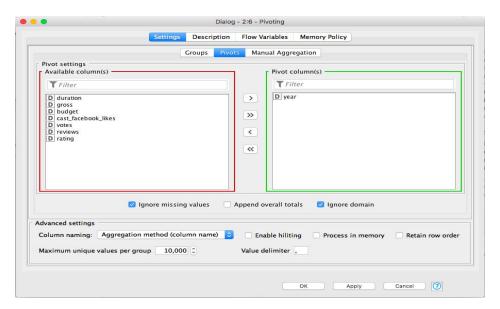


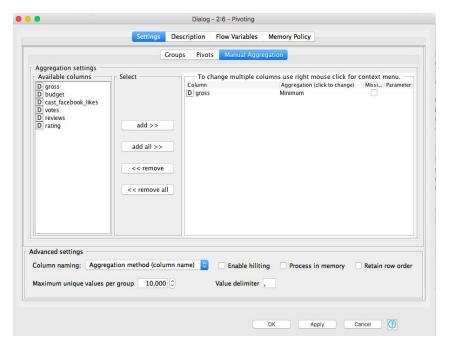
#### **BOXPLOT:**

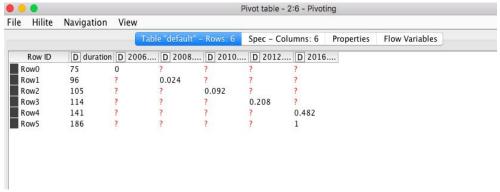




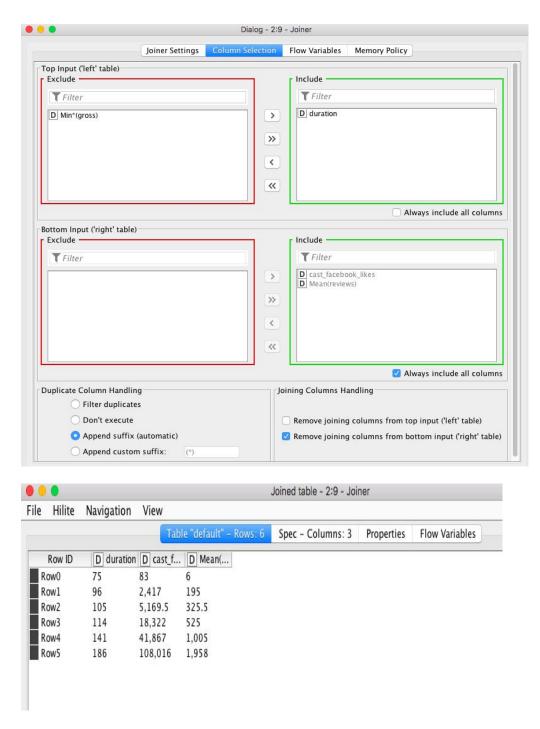
#### **PIVOTING:**







JOINER:



**GROUP BY:** 

