Archiet Jain Con Association (DC) (2 step)

Apriori algorithm EDiaper-> Beer 3 -> (co-occurrence)

(Inventory manyment) (not Casularity) (Frequent Temset)
Before - Jules PSupport Count -> Count -> o EMilk, Bread}

Support Count -> o EMilk, Bread} = 2 Support-fraction of hansaction = 3 Support -> fraction of & Hilk bred 3 = 2/5

Confidence Mer, Man often interns in x Support

Support is quater or min Support

Support > Minsup Meraphbald

To Told

To Told

To Told

Support > Support > Support > Support > Support > Minsup Meraphbald

To Told

Support > Support > Support > Minsup Meraphbald 7 Penne -> delete rules. . (Computational -> Brute Jorce) Two step approach: 1) frequent itemsel generalism (Support > min sup) (Computationally expension) 2) Rule generation (Confidence 2 min Conf)

~ O(N M w) (width)

Transaction 2 frequent items set Confin= o(x) Minsupport issue -> loo high -> miss itemset with have items to low -> computationally expensive. Drawback lonfidone. hids negative Correlation Statistical Indopondence P(SNB)=P(S)×P(B) = holepondent P (Coffeel 1 = .75 P(SAB) \(\rightarrow\r P(Cotleetter) = 15 Lift =  $\frac{lon/(x-yy)}{Sup(y)} = \frac{P(x,y)}{P(x).P(y)} = \frac{1}{1 > posi+(+v_1)}$ P ten = 20 Interest = when positive

(K-means) fix number of iterations Stopping criteria - Merahan Same Controid. Han Intral Contried transform, 6 points -> Ev clidaan distance: Manhattan -> Summation of absolute valu Cosine Simi: Convergence [ k means -> Important to untial Centuals. doesn't give globel, just local Solution. Min (SSE = Sum of Squared arrow ) SSE = E & dult (mi,x) Minimize -> distance from Center choox des Sst min (SSE) inverse > (K) a good cluster with smaller & how smaller (55 F)