| | | | | | | W. |
|----|--------------------------|------------------|-------------------|------------------------|-------------|-------|
| | | | | | | |
| | | | | long | Total | |
| | Fruit Mango | Yellow 350 | Sucot 450 | 350 | 400 | |
| | Barra Othons Total | 400 50 800 | 300 100 850 | 50 400 | 1200 | |
| | | Paus | | [0/0] | · Francis | |
| | Finding | Walihood: | 2 350/ | 800 | Hitsbirmed | |
| | P (Bax | na/Yellow) | 1=400/81 | 00 | Insu | |
| | | | = 50/80 | Manager and the second | | 1 |
| | P (& mor | go/Sweet |)= 450/ | 1850 | Mest | |
| F | Barn | a/ Sweet) | 2.300/ | 856 | 1 7 | |
| Ţ- | Cothers | /Sweet) | 2 100/8 | 50 | not: Ron | 19 |
| P | (Ming | 1/long) = | 0/40 | 0 = 0 | 0,50 | 0 |
| | | | 350/4 | AL VIII AL | 100 Total | le It |
| P | cothors | / long) = | 50/40 | 00 | | |
| | Bana | | | | | |

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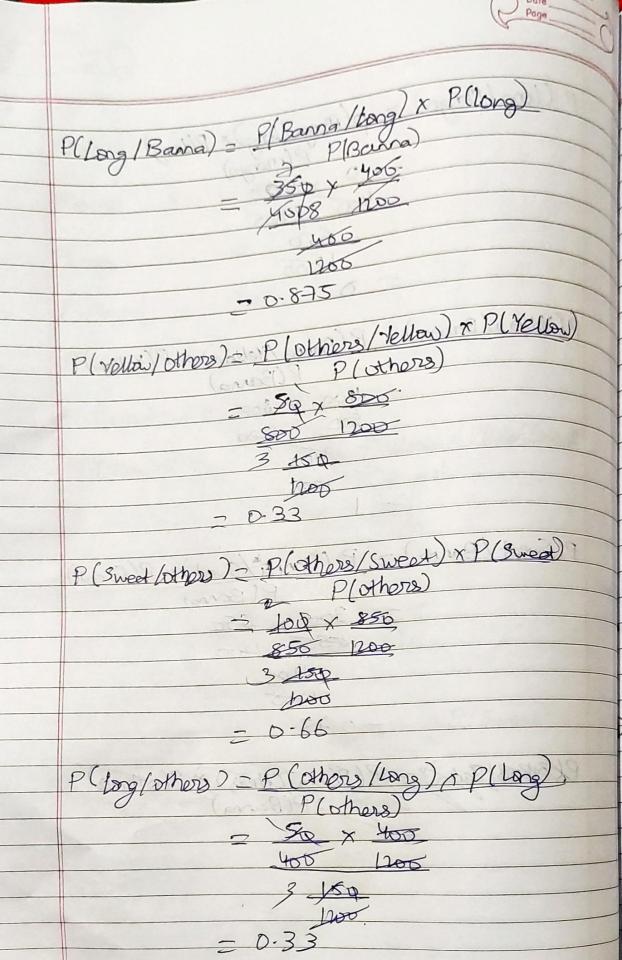
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| | Dote Page |
|-------|---|
| | Page |
| | Dote Poge |
| | P(Yellow) con/ |
| | P(Yellow) = 800/1200 |
| | 8/9/11 |
| | P(Sweet) = 850/1000 |
| | PCI |
| | P(/000)=400/1200 |
| | 0/ |
| | P.(Mango) = 650/1200 |
| | |
| | P(Bama)= 400/1200 |
| | 700/1600 |
| | Plothons) 1=1 |
| | P(others) = 150/1200 051/321 = (50/4) |
| | |
| | (Jellow / Margo) - P (Mango / Yellow) x Plan Yello) |
| | P(Yellow/Mango) - P(Mango/Yellow) x P(monyo) P(Mango) = 350 x 850 |
| | (=131350mx 850 1/ 2010) |
| 1 | \$86 1200 |
| 3,440 | Marily Constitution 255 continued alloying |
| | \$50 /200 101 - 101 / 100 / 10 |
| | |
| | = 350 × 1200 |
| | 1250 656× 000. |
| | 20.5384 |
| | 06 11 - 2 26 |
| | P(Sweet/Mango) = P(Mango/Sweet) x P(Sweet) P(Mango) |
| | P(Mango) |
| 7. | = 450 x 850 |
| | 850 1200 |
| | 650 |
| | 1200 |
| | = 0-6923 |
| | 20.012 |
| | |
| | |

p(long/Mongo) = p(Mongo/kong) x P(Long)
p(Mongo) - 10 ×400 400 200 650 1200 = 071-8.0 m P(Yellaw/Banna) = P(Banna/Yellaw) x P(Yellow) = 400 x 800 400 1200 - [.32 P(Sweet/Barra) = P(Barria / Sweet) x P(Sweet) (Barra) = 300 x 850 855 L200 1400 1200 = 0.75



Libelihood of Mango! a potrage - P (Yellow/Margo): X P(Sweet/Margo) x P(long/Margo)
- 0.5384 x 0.6923 XU Libelihood of Barna: of Barrell = P(Yellow (Barna) XIP (Sweet (Barna) PP(lay 1 Barna) = 1x0.75x 0.875 11 0.656 fully of the first of the entire describer de d'il saint Likelihood of Others: = P(Yellow | Others) x P (Sweet / Bthers) x P (long / Others) = 0.33 x 0.66 x 0.33 = 0.071 Now we Normalize, P(Margo) = 0 918 - (an -pidothi kiedv) 9 P(Banna) = 0.656/0.727 = 0.9023 = 90.23/ P(Others) = 0.07/0.779 = 0.0976 = 9.76% accurate thuit is Barna on the base of properties [Yellow, Sweat, long]

| 72: | Jeritator in Thorat Headure Fever Virginitery |
|--------|--|
| 100 | Jeritation in Thorat intention oyes is ears infaction medium y N. |
| | n High y |
| | n y High n N |
| Com | y medius y that the |
| | Use Bayes Classication to conclude that the patient with the following symptons has the virial infections? |
| (Cash) | Your Could Not of Medical May 12 1 |
| | Total Number of Data 28 |
| | P(Vizial infection=Yes) = 5/8 |
| | P(Virid infaction=NO) - 3/8 |

556 10. 973

Page

| in eyes Yes 3/4 1/9 p ears ND 2/4 2/4 | | | 1.11 | f D. 11 | |
|--|--|--|--|--|--|
| in eyes Vez 3/4 1/9 in eyes No 2/4 2/4 in exis No 2/4 2/4 Vinal Head infection Yes No Infection Infection Yes No Infection Infection Yes No Infection I | | | the said transferred by the state of the said transferred | A STATE OF THE PARTY OF THE PAR | |
| Vinal Hond infection Vinal Hond infection Yes No Thorat Yes 4:/5 1/5 Infection No 1/3 2/3 No 1/2 1/2 Localable High 2/3 1/3 Median 2/3 1/3 P(Inviction in eyes & ears = Y/Y) = 3/4 P(Inviction in eyes & ears = N/Y = 2/4 P(Inviction in eyes & ears = N/N) = 1/4 P(Inviction in eyes & ears = N/N) = 2/4 P(Invict Infection = N/Y) = 1/3 | Irritatio. | | | | AL ON M |
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| Vinal Head infection Yes No Thorat Yes 4:/5 1/5 Infection No 1/3 2/3 No 1/2 1/2 Loodade High 2/3 1/3 Medium 2/3 1/3 Vinal Infection Yes No Vinal Infection Yes No Loodade High 2/3 1/3 Medium 2/3 1/3 P(Inration in eyes & ears = Y/Y) = 3/4 P(Inration in eyes & ears = N/Y = 2/4 P(Inration in eyes & ears = N/Y = 2/4 P(Inration in eyes & ears = N/N) = 1/4 P(Inration in eyes & ears = N/N) = 2/4 P(Inration in eyes & ears = N/N) = 1/5 | p ears | NO | 2/4 | 2/4 | |
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| leadarde. High 2/3 1/3 Medium 2/3 1/3 Wirel Infertion Viral Infertion No. 1/3 P(Irriation in eyes & ears = Y/Y) = 3/4 P(Irriation in eyes & ears = N/Y = 2/4 P(Irriation in eyes & ears = N/N = 1/4 P(Irriation in eyes & ears = N/N) = 1/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 1/5 P(Irriation in eyes & ears = N/N) = 1/3 P(Irriation In eyes & ears = N/N) = 1/3 P(Irriation In eyes & ears = N/N) = 1/3 | | | Yer s | | (trad) & |
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| Viral Infection Yes 1/5 1/5 NO-1/3 2/3 P(Irriation in eyes & ears = Y/Y) = 3/4 P(Irriation in eyes & ears = N/Y = 2/4 P(Irriation in eyes & ears = N/N = 1/4 P(Irriation in eyes & ears = N/N) = 1/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 1/5 P(Thorat Infection = N/Y) = 1/3 P(Thorat Infection = Y/N) = 1/5 | 8 | Mediu | 2 /3 | 1 1/3 | RESEARCH TO SERVICE STATE OF THE SERVICE STATE OF T |
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| P(Irriation in eyes & ears = Y/Y) = 3/9 P(Irriation in eyes & ears = N/Y = 2/4 P(Irriation in eyes & ears = Y/W) = 1/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 2/4 P(Irriation in eyes & ears = N/N) = 1/5 P(Irria | Fever | Yes | Vinal Jr Nex | fation 1/5 | Madiball Loadilatel |
| (Triatin in eyes & ears = 1/N) = 1/9 (Irriatin in eyes & ears = N/N) = 2/4 (Thronat Infection = Y/Y) = 4/5 (Thronat Infection = N/Y) = 1/3 (Thronat Infection = Y/N) = 1/5 | | Yes No- | Vind January 19 19 19 19 19 19 19 19 19 19 19 19 19 | fatio No 1/5 2/3 | Loadilos II |
| (Drinth in eyes & ears = 1/N) = 1/9 (Irriation in eyes & ears = N/N) = 2/4 (Thorat Infection = Y/Y) = 4/5 (Thorat Infection = N/Y) = 1/3 (Thorat Infection = Y/N) = 1/5 | (V) Y = 100 | Yes No- | Vind Ja Yes 4/5 | fatio No 1/5 2/3 | Parkers - Park |
| (Irriation in Eyes & cors = N/N) = 2/4 (Throng Infection = Y/Y) = 4/5 (Throng Infection = N/Y) = 1/3 (Throng Infection = Y/N) = 1/5 | (V) Y = 100 | Yes No- | Vind Ja Yes 4/5 | fatio No 1/5 2/3 | Parkers - Park |
| (Thinget Infection = Y/Y) = 4/5 (Thinget Infection = N/Y) = 1/3 (Thinget Infection = Y/N) = 1/5 | P (Irriation P (Ir | Yes No- | Viral January 15 4 15 113 es & ears = | fection 1/5 1/5 2/3 - Y/Y) - 3 - N/Y = 3 | Loadian - |
| (Thorat Infatin = N/Y) = 1/3 (Thorat Infatin = Y/N) = 1/5 | P (Irriation) P (Irriation) P (Irriation) | Yes No- | Viral Ja Nes 4/5 11/3 es 8 ears 13 8 ears | fatis 1/5 2/3 - Y/Y) - 3 - Y/W) - 1 | Locallossi Locall |
| (Thorat Infatin = YIN) = 1/5 | P(Irriation P(Irri | Yes No- in eye in eye in he | Viral Ja Nes 4/5 1/3 es & ears 18 & ears 19 & ears 19 & ears | fection 1/5 1/5 2/3 - Y/Y) - 3 - Y/N) - 1/ - N/N) - 2 | Load Jahl - HI 9 x 2/4 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 / 14 5 - 14 / 14 / 14 / 14 / 14 / 14 / 14 / 14 |
| (Thorat Irration = YIN) = 1/5 | P(Irriation P(Irri | Yes No- in eye in in eye in in eye in in eye in in eye | Viral Ja Yes 4/5 1/3 es & ears 1/8 & ears 1/9 & ears 1/9 & ears 1/9 & ears 1/9 & ears | fation 1/5 1/5 2/3 - Y/Y) - 3 - Y/W) - 1/1 - N/N) = 2) - 4/5 | Load Jahl - HI 9 x 2/4 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 5 - 14 / 14 / 14 5 - 14 / 14 / 14 / 14 / 14 / 14 / 14 / 14 |
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Photosube VIII P(No Headacher @/Y) = 1/2 P(No Headache @/N) = 1/2 2/3 P(High Headache/K)= P(High Hadache (N)= 2/3 P(Modium Madache / Y)= 1/3 P (medium Headacho (N)= 45 1 (Fever Yes / Yes) = P (Fever @ Ves/No) - 1/5 P (fever No/Yes) = 1/3 P(few No/No)= West Took of The Brades (Took LACEBRAIN REPROPRIENCE Likelihood of having & Vival Infection (Yes): = P(Invitation=Y/Y) x P(Thorat = N/Y) x P (Headache = Medium / Y) x P (Ferrer = Y/Y) x P (Viral infection = Yes) 3 x 3 x 2 x y x 5 = 0.0833

| | Litelihood of having Viral Intedio (No). |
|----|---|
| | = P(Irritatin = YIN) x P(Thorst = NIN) x P (Headule = Median IN) x P(Fever = YIN) |
| | * P (Headule = media IN) x P(fever = Y/N) |
| | & P (Viral Intartion = No) |
| | |
| | - + × 2 × 1 × 1 × 3 |
| _ | |
| | - 0.0071 |
| | |
| | Now, ue normalize; |
| | P(Yes) = 0.0833/0.0874 = 0.9530= 95-301/- |
| | P(NO) = 0-0041/0.0874=0.0469 - 4.69.1. |
| | |
| ٠. | Arrowny to Naive Bays Algorithm, the most arrival ensured result is that person is suffering forom viral infection. |
| | arande result is that person is suffering |
| | form viral infection. |
| | |
| | Y N Medium Y. Y |
| | |

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