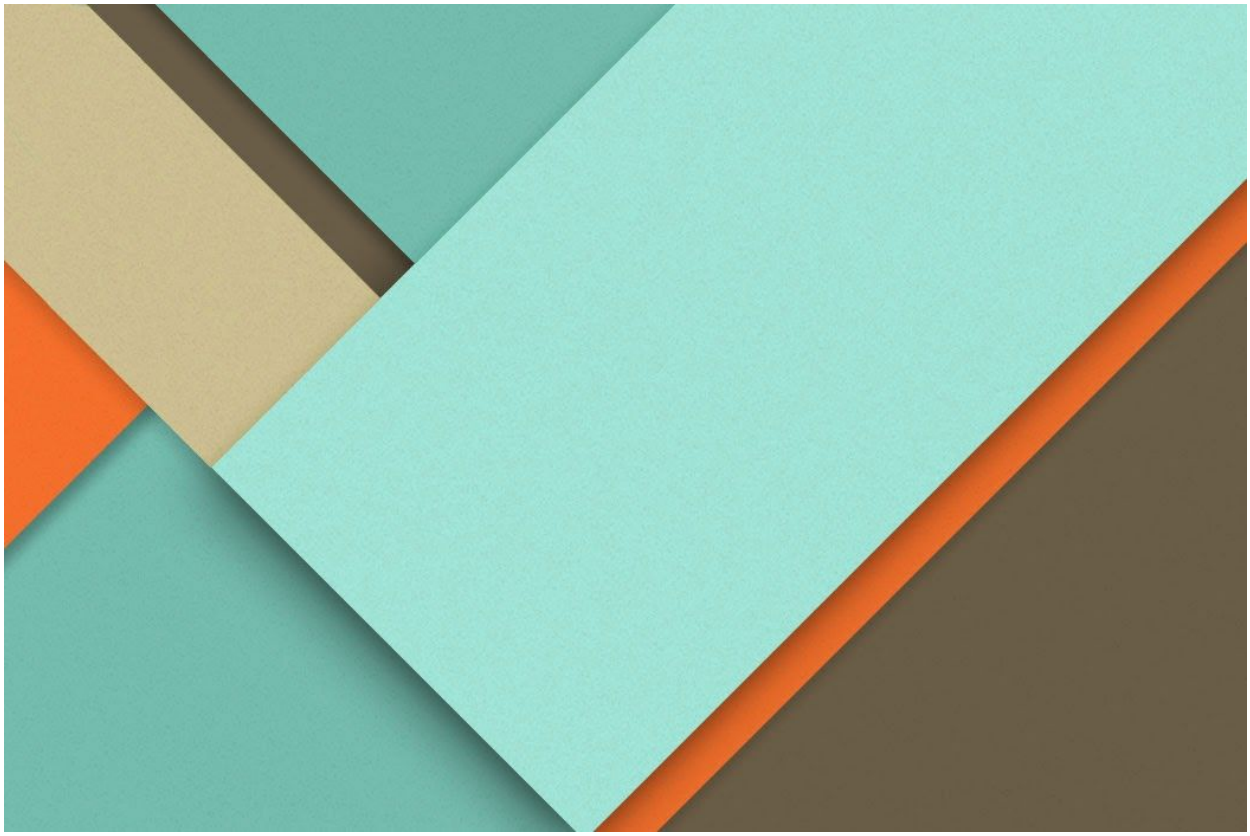


Práctica 2: NOISY-MAX

19/03/2020

Sergio Camacho Marín

Probabilidades a calcular:

a)P(+F/+G,+N,+R)=P(+F/+G,+N,+R,-r)**+**P(-F/+G,+N,+R,-r)*****P(+F/-G,-N,-R)=

0.944 + 0.056*0.01=0.94456

b)P(+F/-G,+N,+R)=P(+F/-G,+N,+R,-r)**+**P(-F/-G,+N,+R,-r)*****P(+F/-G,-N)=

0.72+0.28*0.01= 0.7228

c)P(-F/+G,-N,-R)=P(-F/+G,-N,-R,-r)**+**P(+F/+G,-N,-R,-r)*****P(+F/-G,-N,-R)=

1-(0.8+0.2*0.01)=0.198

Valores para calcular estas probabilidades:

CG= P(+F/+G)= 0.8

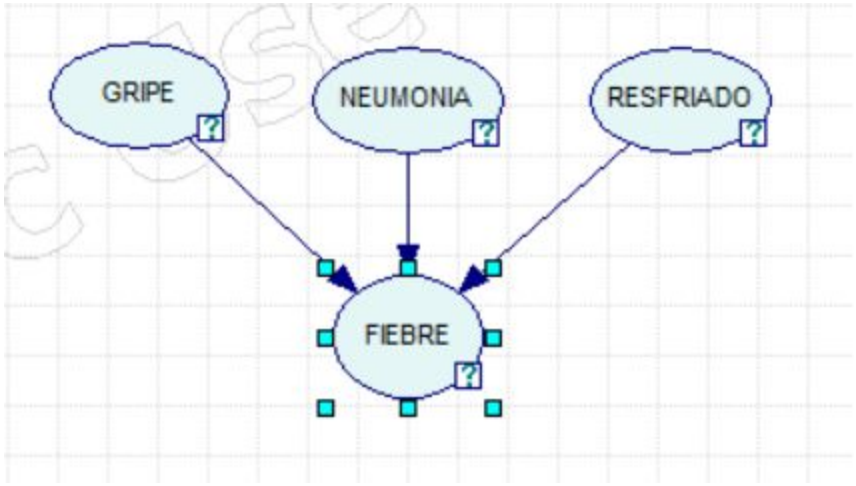
CN= P(+F/+N)= 0.6

CR= P(+F/+R)=0.3

r= P(+F/-G,-N,-R)= 0.01

P(+F/+G,+N,+R,-r)= 0.8 + (0.2*0.6) + (1-(0.8+0.2*0.6))*0.3=0.944

P(+F/-G,+N,+R,-r)= 0.72



General | Definition | Format | User properties

Add | Insert

Parent	GRIPE	NEUMONIA	RESFRIADO	LEAK
State	SI	SI	SI	
SI	0.8	0.6	0.3	0.01
NO	0.2	0.4	0.7	0.99

General | Definition | Format | User properties

Add | Insert

Parent	GRIPE	NEUMONIA	RESFRIADO	LEAK
State	SI	SI	SI	
SI	0.802	0.604	0.307	0.01
NO	0.198	0.396	0.693	0.99

General | Definition | Format | User properties

Add | Insert

GRIPE	SI				NO			
NEUMONIA	SI		NO		SI		NO	
RESFRIADO	SI	NO	SI	NO	SI	NO	SI	NO
SI	0.94456	0.9208	0.8614	0.802	0.7228	0.604	0.307	0.01
NO	0.05544	0.0792	0.1386	0.198	0.2772	0.396	0.693	0.99