Total of Positives (P) True positives (T_p)	Total of Negatives (N) True negatives (T_n)	False positives (F_p)	False negatives (F_n)
Accuracy (A_c) $A_c = \frac{T_p + T_n}{P + N} = \frac{T_p + T_n}{T_p + T_n + F_p + F_n} = 1 - E_r$	**Specificity (S_p)**, selectivity or the true-negative rate (T_{NR}) $S_p = T_{NR} = \frac{T_n}{F_p + T_n} = \frac{T_n}{N} = 1 - F_{PR}$	**Sensitivity (S_e)**, recall, hit-rate or the true-positive rate (T_{PR}) $S_e = T_{PR} = \frac{T_p}{T_p + F_n} = \frac{T_p}{P} = 1 - F_{NR}$	**Precision (P_r)** $P_r = \frac{T_p}{T_p + F_p} = 1 - F_{DR}$
Error Rate (E_r) $E_r = \frac{F_p + F_n}{P + N}$	**The False-Discovery rate (F_{DR})** $F_{DR} = \frac{F_p}{T_p + F_p}$	**False-Positives Rate (F_{PR})** $F_{PR} = 1 - T_{NR} = \frac{F_p}{F_p + T_n}$	**False-Negatives Rate (F_{NR})** $F_{NR} = 1 - T_{PR} = \frac{F_n}{T_p + F_n}$
Negative predictive value (NPV) $N_{PV} = \mathrm{P_{PV}} = \frac{T_n}{T_n + F_n} = 1 - F_{OR}$	**False omission rate (F_{OR})** $F_{OR} = \frac{F_n}{F_n + T_n} = 1 - N_{PV}$	**Prevalence threshold (P_T)** $P_T = \frac{\sqrt{T_{PR}(1 - T_{NR})} - (1 - T_{NR})}{T_{PR} + T_{NR} - 1}$	**Threat Score (T_S) or Critical Success Index (C_{SI})** $T_s = C_{SI} = \frac{T_n}{T_p + F_n + F_p}$
Balanced Accuracy (B_A) $B_A = \frac{T_{PR} + T_{NR}}{2}$	**F1 score** $F1 = 2\,\frac{S_e P_r}{S_e + P_r}$	**Matthew's correlation coefficient (MCC)** $M_{CC} = \frac{T_p T_n - F_p F_n}{\sqrt{(T_p + F_p)(T_p + F_n)(T_n + F_p)(T_n + F_n)}}$	**Fowlkes–Mallow's index (FM)** $FM = \sqrt{\frac{T_p}{T_p + F_p}\frac{T_p}{T_p + F_n}} = \sqrt{P_r S_e}$
Informedness or bookmaker informedness (BM) $FM = T_{PR} + T_{NR} - 1 = S_e - S_p - 1$	**Markedness (MK) or deltaP (Δp)** $MK = P_{PV} + N_{PV} - 1$		

FAON March 20, 2021.