	True Galaxies	True stars
Objects classified as galaxies	N_G	M_S
Objects classified as stars	M_G	N_S

The galaxy *completeness* c^g is defined as the ratio of the number of true galaxies classified as galaxies to the total number of true galaxies. The stellar contamination f_s is defined as the ratio of stars classified as galaxies to the total amount of objects classified as galaxies.

$$c^g = \frac{N_G}{N_G + M_G} \, , \qquad (2)$$

$$f_s = \frac{M_S}{N_G + M_S} \, . \qquad (3)$$

The *purity* p^g is defined as $1 - f_s$:

$$p^g = \frac{N_G}{N_G + M_S} = 1 - f_s \, . \qquad (4)$$

Similar parameters can be defined for a sample of stars: p^s, f_g and c^s.