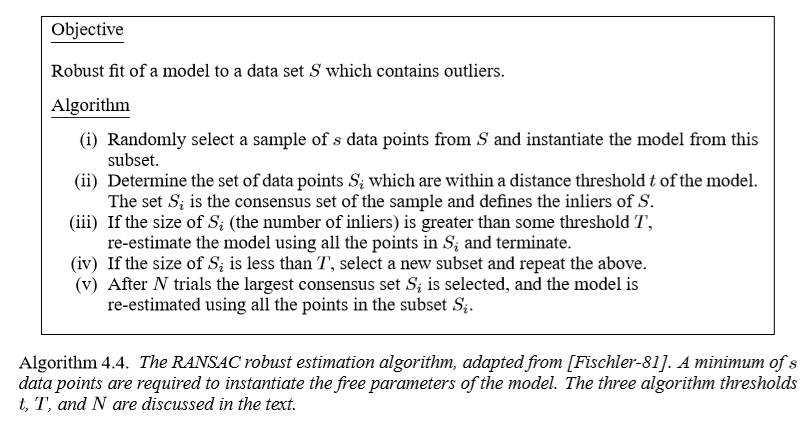
Purpose: simultaneously solve the correspondence problem (which parts of one image correspond to which parts of another image) and estimate the fundamental matrix (a 3 by 3 matrix that relates corresponding points) related to two camera poses.

Input:

Output:

**Random sample consensus** (**RANSAC**) is an [iterative method](https://en.wikipedia.org/wiki/Iterative_method) to estimate parameters of a mathematical model from a set of observed data that contains [outliers](https://en.wikipedia.org/wiki/Outliers), when outliers are to be accorded no influence on the values of the estimates.



Source: MultipleViewGeometryTextbook