ABSTRACT. Let M be a (linear) subspace of the normed linear space X. The metric projection onto M is the set-valued mapping $P_M : X \to 2^M$ defined by

$$P_M(x) = \{y \in M \mid ||x - y|| = \inf_{m \in M} ||x - m||\}.$$

M is called proximinal (resp. Chebyshev) if $P_M(x)$ contains at least (resp. exactly) one point for each x in X. A linear selection for P_M is a linear map $p : X \to M$ such that $p(x) \in P_M(x)$ for every x. It is easy to verify that every linear selection is a projection in the usual sense, i.e. $p^2 = p$ and p is continuous. (In fact, $||p|| \leq 2$). Thus linear selections are a special kind of continuous selection for P_M.

The purpose of this note is to provide a brief exposition of some of the results of [3] and to list some open problems. Full details along with related material can be found in [3].