Let B be a separable Banach space with norm $\|\cdot\|$ and let μ be a probability measure on B for which linear functionals have mean zero and finite variance. One then has as a subspace (rarely closed) a Hilbert space (the closure, under the $L_2(\mu)$ norm, of the image of the covariance operator on B^*). For each $\epsilon > 0$ and $x \in B$, there is a unique point, $T_\epsilon(x)$, with minimum "L_2" norm in the $\|\cdot\|$ ball of radius ϵ and center x. If X is a random variable in B, under certain very weak conditions, we obtain Central Limit Theorems and Laws of the Iterated Logarithm for, e.g., $T_\epsilon(X)$ and certain "iterates" of such a quantity, even when X itself fails to satisfy the corresponding limit result.