Reducing information with few changes.

Given a real $X$ of effective dimension $s$ and some $t < s$, what density of changes to $X$ are necessary and sufficient to bring the effective dimension down from $s$ to $t$? We give precise bounds, answering a question of Greenberg, Miller, Shen and W., 2018. We also present a more detailed picture of how reals of various effective dimensions are arranged in Cantor space. (Received September 15, 2020)