Corrupted	Invariant	Name in Moreno-Torres et al. [17]	DAG in Kull and Flach [18]	Ours
at least one among $\{\pi_X, F, E\}$, according to compatibility	π_{Y}	concept shift when $Y \rightarrow X$	D ↓ X ← Y	subcase of S- \tilde{X}
at least one among $\{\pi_Y, F, E\}$, according to compatibility	π_X	concept shift when $X \rightarrow Y$	$\begin{array}{c} D \\ \downarrow \\ X \rightarrow Y \end{array}$	subcase of S- \tilde{Y}
at least π_Y , causing π_X or <i>F</i> to change	Ε	prior probability shift when $Y \rightarrow X$	D ↓ X ← Y	at least S- \tilde{Y} subcase, at most (2D- \tilde{Y} , 2D- \tilde{X})
at least π_X , causing π_Y or <i>E</i> to change	F	covariate shift when $X \rightarrow Y$	$X \rightarrow Y$	at least S- \tilde{X} subcase, at most (2D- \tilde{Y} , 2D- \tilde{X})

 Table S1:
 Traditional taxonomies resume.

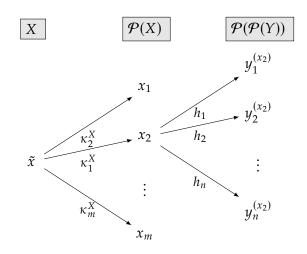


Figure S1: Graphical representation of the push-forward probability measure $\kappa^X h(\tilde{x})$.