Domain Game



Disentangle Anatomical Feature for Single Domain Generalized Segmentation

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<u>Problem:</u> Domain shift introduces uncertainty that compromises

model performance. Notably, current methods

conceptualize domain shift exclusively as style changing.

<u>Motivation:</u> Clinically, the diagnostic features of organs or lesions

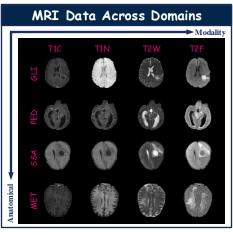
are consistently associated with local anatomical

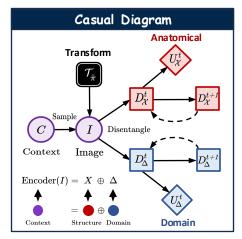
structures across domains, i.e., domain-invariant features.

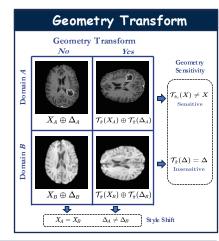
Solution: We observe that domain shift also encompasses anatomical alterations across different domains.

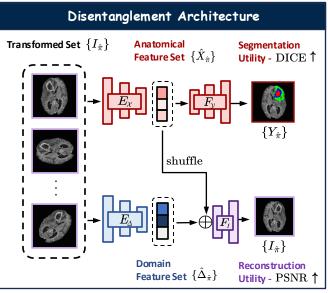
Accordingly, we explicitly articulate anatomical features in conjunction with domain features, incorporating distinct response levels to geometric transformations.

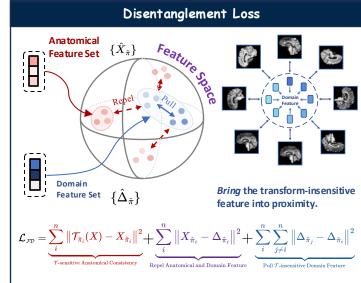
- General Purpose Framework











- Result and Future Direction

