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	 Statistical models originally used for coding prior anatomical/radiological knowledge in segmentation Basically emulate the learning process of a radiolog 	ist
	• In this context an interpolation tool	
	Performance limitations	
	• how representative is the training set	
_	• how good is the intrer-individual correspondenc	e
	• During the past decade the focus is on prediction	
~	• The prior knowledge coded allows extrapolation fro	m
	very limited information	
	 Very broad application domain 	
	Still many challenges	
	 selection of optimal predictors 	
	• quantitative characterization: error margins	
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