Breast Ultrasound Image Segmentation: an optimization approach based on super-pixels and high-level descriptors

Quality Control by Artificial Vision 4th June 2015

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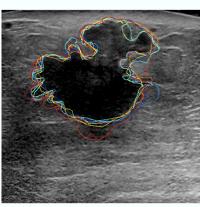






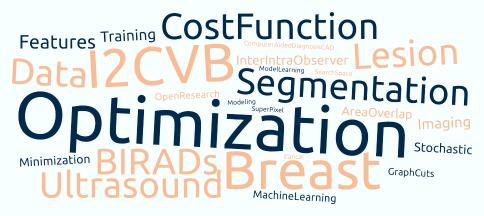
Breast Lesion Segmentation in US images

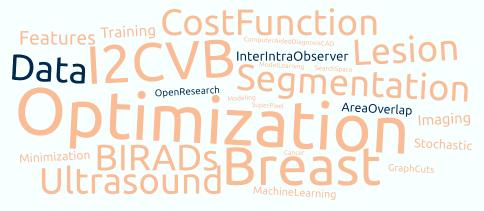










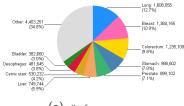




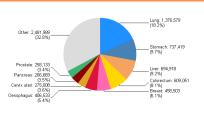


Motivations





(a) # of cancer cases



(b) # of cancer deaths

- ▶ 1.4 million cases per year
- ▶ 10.9% of diagnosed cancers
- ▶ 5th cause of cancer death
- ▶ 1th cause of cancer death (females)