On breast lesion segmentation in Ultra-Sound images and its assessment: A survey

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Abstract

2 materials and methods (Segmentation method analysis)

project website in github Thus, the set of queries that generate the pool of methodologies present in this work are available at the *us-breast-lesion-delineation-survey* open repository as scripts. These queries screen all the publications included by targeted journals during the last 5 years for articles matching any of the search terms in order to build a bibliographic dataset. This dataset is complemented collecting all the articles that expand the citations tree, both forward and backwards, up to 2 levels. More details about this process can be found at the website of the project. Automatic criteria are used for rough pruning of the dataset while the final pruning has been carried out manually. Details of both are provided at the website.

sec:intro:analysis_of_the_methods

Analysis of the methods Apart from the gathering of the papers to review, the analysis has been done in the following manner: sik

- the analysis is carried out in both bottom-up and top-down fashion^{sik}
- using a generic corpora, key concepts from the selected articles are extracted using Rake algorithm. sik
- the key concepts are studied and they mainly cluster in four categories: (1) medical-breast related, (2) segmentation strategy, (3) evaluation, (4) other. sik

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- highly cited articles in such topics are used to refine the initial corpora and update the key concepts of each paper for the bottom-up description. sik
- \bullet for the top-down strategy reference bibliography is used to drive the discussion of the articles key-concepts $^{\rm sik}$

Table 1. Table caption Nulla mi mi, venenatis sed ipsum varius, volutpat euismod diam.

| Heading1 | | | | Heading2 | | | | | | | | | | |
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make a better wcloud clustering concepts and better key-concept detection

Todo list

| Stuff to cover in the intro | | | | | | | | | | 1 |
|---|------|--|------|--|------|--|--|--|--|---|
| Narrow to need of accurate delineations | | | | | | | | | | 1 |
| project website in github | | | | | | | | | | 3 |

References

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