

UNIVERSITY OF CALIFORNIA

Department of Radiology

# Change in Feature Selectors For Determining Nodule Malignancy in Lung CT

Scoring in Lung Images

by

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are routinely diagnosed from CT images. The diagnosis of a suspect nodule is often made by a radiologist or other medical professional. Machine learning may also provide diagnostic information. In this work, a combined feature in a deep learning model is used to determine the malignancy of a nodule. The highest accuracy achieved is 71% (10/14) for a subset of nodules. This is shown by a combination of human manual features. The highest accuracy achieved with manual features is 81.00, since radiologists can combine the

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THE FACULTY IS INVITED

Presenting Committee

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