Prediction of Osteoporosis using Artificial intelligence

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Abstract

Osteoporosis is a disease where increased bone weakness increases the risk of a broken bone. It is the most common reason for a broken bone among the elderly. Bones that commonly break include the vertebrae in the spine, the bones of the forearm, and the hip. Past research has proven that frequency has a direct relationship with the bone mass density which is significant in the detection of Osteoporosis.

Keywords:
Neural Networks, Osteoporosis, Osteopenia, Frequency analysis, Osteoporosis, machine learning, artificial intelligence, impulse response, frequency, tibial bone, regression, linear regresison, ridge regression,

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