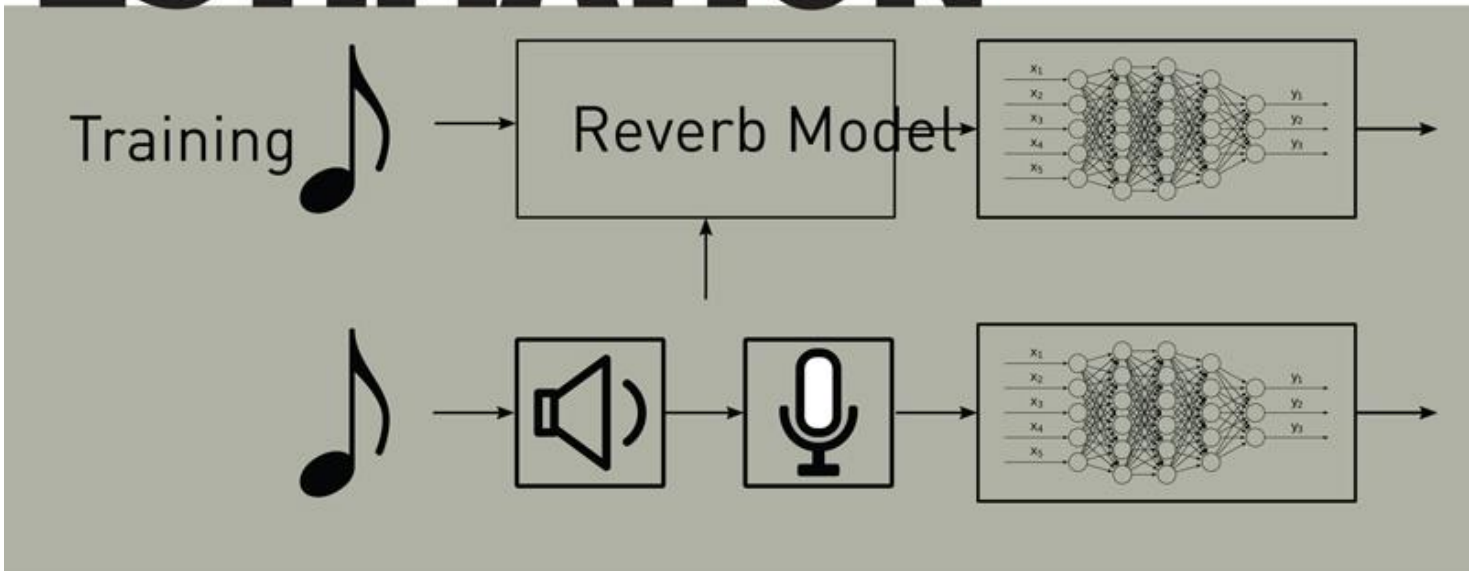# REVERB PARAMETER ESTIMATION

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A reverb model was designed that modifies input signals to sound like they were played in a large room, with some set of acoustic parameters. Then, a neural net was designed that takes a particular test sound (denoted in the figure with a musical note), we apply reverb to it with the reverb model, and then the network estimates the parameters of the reverb model. A recording of the test sound played at a venue could then be fed into the net in order to characterize the reverberation of the venue, with the estimation of the room's reverb parameters, new recordings can be made using that reverb model that sound as if they were recorded in that venue.