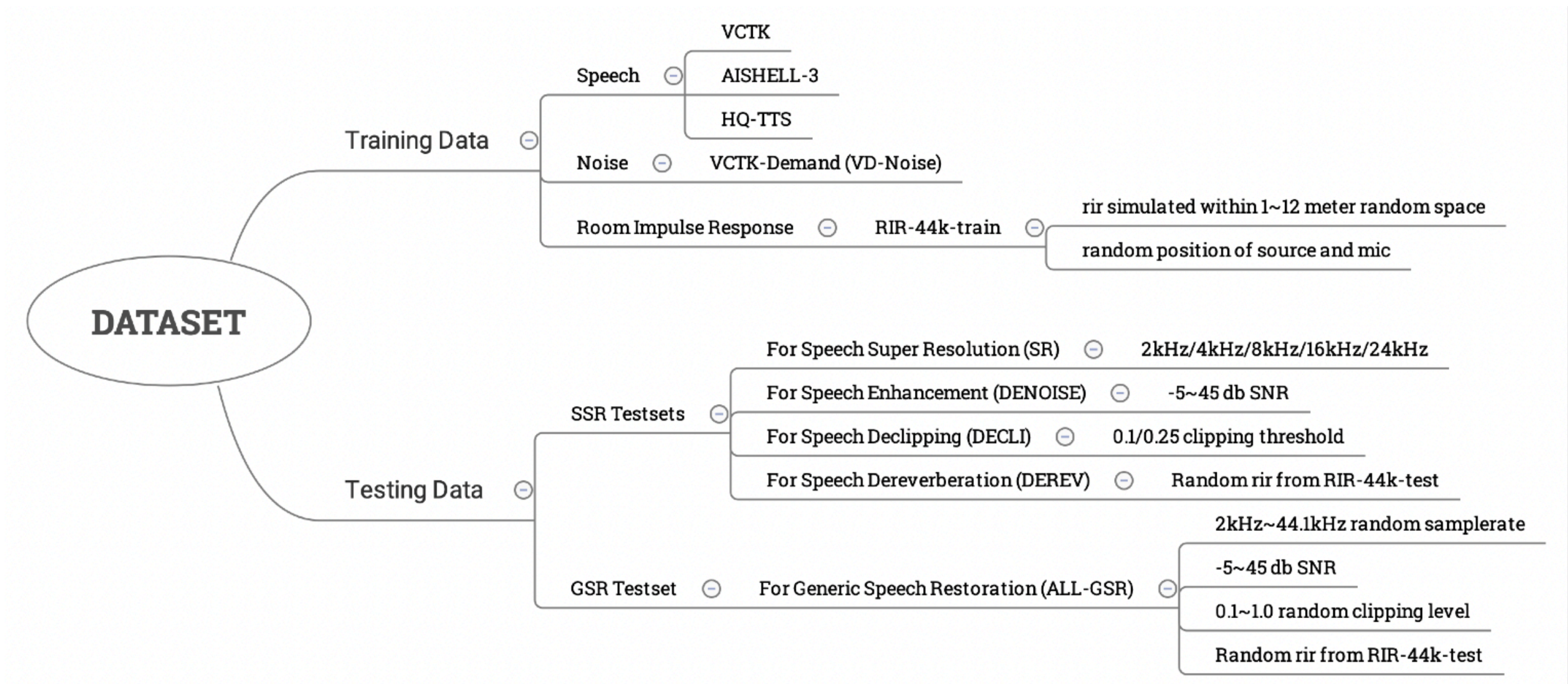# Experiments

Dataset

The dataset we use in this paper.

Experiments

Models

Table.7 All the experiments we report in this paper

Name	VoiceFixer	SSR	GSR	Training sets	Testing sets
Unprocessed	✗	✗	✗	/	DENOISE; DEREV; SR; DECLI; ALL-GSR;
Oracle-Mel	✗	✗	✗	/	DENOISE; DEREV; SR; DECLI; ALL-GSR;
Vocoder-TFGAN	✗	✗	✗	VCTK-Train; HQ-TTS; AISHELL-3	DENOISE; DEREV; SR; DECLI; ALL-GSR;
Denoise-UNet	✗	✓	✗	VCTK-Train; VD-Noise;	DENOISE; ALL-GSR;
Dereverb-UNet	✗	✓	✗	VCTK-Train; RIR-Train;	DEREV
SR-UNet	✗	✓	✗	VCTK-Train;	SR
Declip-UNet	✗	✓	✗	VCTK-Train;	DECLI
NuWave	✗	✓	✗	VCTK-Train;	SR
SEANet	✗	✓	✗	VCTK-Train;	SR
SSPADE	✗	✓	✗	/	DECLI
GSR-UNet	✗	✗	✓	VCTK-Train; VD-Noise; RIR-Train;	DENOISE; DEREV; SR; DECLI; ALL-GSR;
VF-DNN	✓	✗	✓	VCTK-Train; VD-Noise; RIR-Train;	DENOISE; DEREV; SR; DECLI; ALL-GSR;
VF-BiGRU	✓	✗	✓	VCTK-Train; VD-Noise; RIR-Train;	DENOISE; DEREV; SR; DECLI; ALL-GSR;
VF-UNet-S	✓	✗	✓	VCTK-Train; VD-Noise; RIR-Train;	DENOISE; DEREV; SR; DECLI; ALL-GSR;
VF-UNet	✓	✗	✓	VCTK-Train; VD-Noise; RIR-Train;	DENOISE; DEREV; SR; DECLI; ALL-GSR;