### **English 8K**

nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/En\$ compute-wer
--mode=present ark:Reference\_EN.ref ark:hypothesis\_EN8K.hyp
compute-wer --mode=present ark:Reference\_EN.ref ark:hypothesis\_EN8K.hyp
%WER 17.13 [ 99 / 578, 12 ins, 16 del, 71 sub ]%SER 78.00 [ 39 / 50 ]Scored 50
sentences, 0 not present in hyp.

#### English 16K

nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/En\$ compute-wer
--mode=present ark:Reference\_EN.ref ark:hypothesis\_EN16K.hyp
compute-wer --mode=present ark:Reference\_EN.ref ark:hypothesis\_EN16K.hyp
%WER 14.71 [ 85 / 578, 5 ins, 9 del, 71 sub ]%SER 60.00 [ 30 / 50 ]Scored 50
sentences, 0 not present in hyp. ]Scored 50 sentences, 0 not present in hyp.

```
abmastersde@instance-1:-/EC-GoogleSpeechAFI-Benchmarking/data/Fr$ compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp compute-wer --mode-present ark:Reference_FR.ref ark:Hypothesis_FR8K.hyp cord 50 sentences, 0 not present in hyp.

| Description | 124 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567
```

#### French 8K

nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/Fr\$ compute-wer
--mode=present ark:Reference/Reference\_FR.ref
ark:Hypothesis/Hypothesis\_FR8K.hyp
compute-wer --mode=present ark:Reference/Reference\_FR.ref
ark:Hypothesis/Hypothesis\_FR8K.hyp
%WER 21.87 [ 124 / 567, 6 ins, 15 del, 103 sub ]%SER 84.00 [ 42 / 50 ]Scored 50 sentences, 0 not present in hyp.

## French 16K

nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/Fr\$ compute-wer
--mode=present ark:Reference/Reference\_FR.ref
ark:Hypothesis/Hypothesis\_FR16K.hyp
compute-wer --mode=present ark:Reference/Reference\_FR.ref
ark:Hypothesis/Hypothesis\_FR16K.hyp
%WER 17.99 [ 102 / 567, 5 ins, 10 del, 87 sub ]%SER 80.00 [ 40 / 50 ]Scored 50 sentences, 0 not present in hyp.

```
nhmastersde@instance-l:-/EC-GoogleSpeechAFI-Benchmarking/data/FrS compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp
compute-wer --mode-present ark:Reference/Reference_FR.ref ark:Hypothesis_FR8K.hyp

%MER 21.87 [ 124 / 567, 6 ins, 15 del, 103 sub ]

$25ER 84.00 [ 42 / 50 ]

$Cored 50 sentences, 0 not present in hyp.

hbmastersde@instance-1:-/EC-GoogleSpeechAFI-Benchmarking/data/FrS compute-wer --mode-present ark:Reference_FR.ref ark:Hypothesis_FR16K.hyp

compute-wer --mode=present ark:Reference/Reference_FR.ref ark:Hypothesis/Hypothesis_FR16K.hyp

%MER 17.99 [ 102 / 567, 5 ins, 10 del, 87 sub ]

$8ER 80.00 [ 40 / 50 ]

$Cored 50 sentences, 0 not present in hyp.
```

### **English 8K - Noiseless**

### nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/Clean\$

```
compute-wer --mode=present ark:Reference_EN_clean.ref
ark:Hypothesis_En8K_clean.hypcompute-wer --mode=present
ark:Reference_EN_clean.ref ark:Hypothesis_En8K_clean.hyp
%WER 10.26 [ 12 / 117, 1 ins, 3 del, 8 sub ]%SER 40.00 [ 4 / 10 ]Scored 10
sentences, 0 not present in hyp.
```

### **English 16K - Noiseless**

# 

compute-wer --mode=present ark:Reference\_EN\_clean.ref
ark:Hypothesis\_En16K\_clean.hypcompute-wer --mode=present
ark:Reference\_EN\_clean.ref ark:Hypothesis\_En16K\_clean.hyp %WER 9.40 [ 11 / 117,
1 ins, 5 del, 5 sub ]%SER 40.00 [ 4 / 10 ]Scored 10 sentences, 0 not present in hyp.

```
nbmastersde@instance-1:-/EC-GoogleSpeechAPI-Benchmarking/data/Clean$ compute-wer --mode=present ark:Reference_EN_clean.ref ark:Hypothesis_En8K_clean.hyp compute-wer --mode=present ark:Reference_EN_clean.ref ark:Hypothesis_En8K_clean.hyp average ark:Reference_EN_clean.ref ark:Hypothesis_En8K_clean.hyp average ark:Reference_EN_clean.ref ark:Hypothesis_En8K_clean.hyp average ark:Reference_EN_clean.ref ark:Hypothesis_En16K_clean.hyp average ark:Reference_EN_clean.ref ark:Hypothesis_En16K_clean.hyp average ark:Reference_EN_clean.ref ark:Hypothesis_En16K_clean.hyp average ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark:Reference_EN_clean.for ark:Hypothesis_En16K_clean.hyp ark
```

### **English 8K-Noisy**

### nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/Noisy\$

compute-wer --mode=present ark:Reference\_EN\_NoisyData.ref
ark:Hypothesis\_Noisy8K.hypcompute-wer --mode=present
ark:Reference\_EN\_NoisyData.ref ark:Hypothesis\_Noisy8K.hyp %WER 24.58 [ 29 /
118, 1 ins, 5 del, 23 sub ]%SER 80.00 [ 8 / 10 ]Scored 10 sentences, 0 not
present in hyp.

### **English 16K-Noisy**

### nbmastersde@instance-1:~/EC-GoogleSpeechAPI-Benchmarking/data/Noisy\$

compute-wer --mode=present ark:Reference\_EN\_NoisyData.ref
ark:Hypothesis\_Noisy16K.hypcompute-wer --mode=present
ark:Reference\_EN\_NoisyData.ref ark:Hypothesis\_Noisy16K.hyp %WER 16.10 [ 19 /
118, 0 ins, 6 del, 13 sub ]%SER 70.00 [ 7 / 10 ]Scored 10 sentences, 0 not
present in hyp.

```
homastarsde@instance-li-/EC-GoogleSpeechAPI-Benchmarking/data/Noisy$ compute-wer --mode=present ark:Reference_EN_NoisyData.ref ark:Hypothesis_Noisy8K.hyp
compute-wer --mode=present ark:Reference_EN_NoisyData.ref ark:Hypothesis_Noisy8K.hyp

NMER 24.58 [ 29 / 118, 1 ins, 5 del, 23 sub ]

SEER 80.00 [ 8 / 10 ]

Scored 10 sentences, 0 not present in hyp.

Scored 10 sentences, 0 not present in hyp.

NoisyData.ref ark:Hypothesis_Noisy16K.hyp
compute-wer --mode=present ark:Reference_EN_NoisyData.ref ark:Hypothesis_Noisy16K.hyp
compute-wer --mode=present ark:Reference_EN_NoisyData.ref ark:Hypothesis_Noisy16K.hyp

NMER 16.10 [ 19 / 118, 0 ins, 6 del, 13 sub ]

SEER 70.00 [ 7 / 10 ]

Scored 10 sentences, 0 not present in hyp.
```