CogLab: Partial Report

- "Perceptual Span" : how many items could be seen with a "brief exposure"

- Research suggested about 4.5

- George Sperling (1960)

  - "more is seen than can be remembered"

  - Problem: report is too slow

  - Solution: partial report

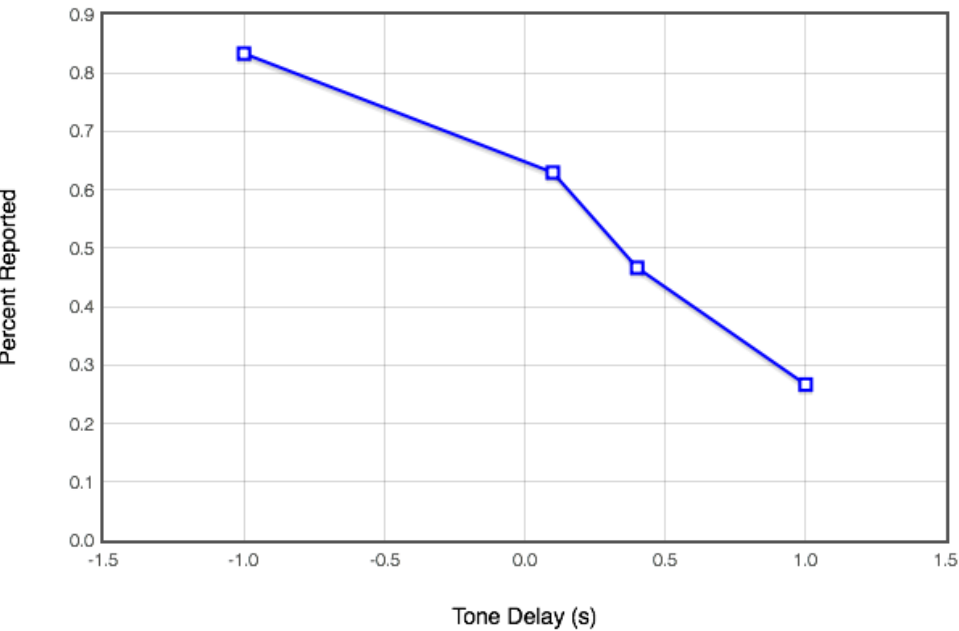 - 7 Experiments

CogLab: Partial Report
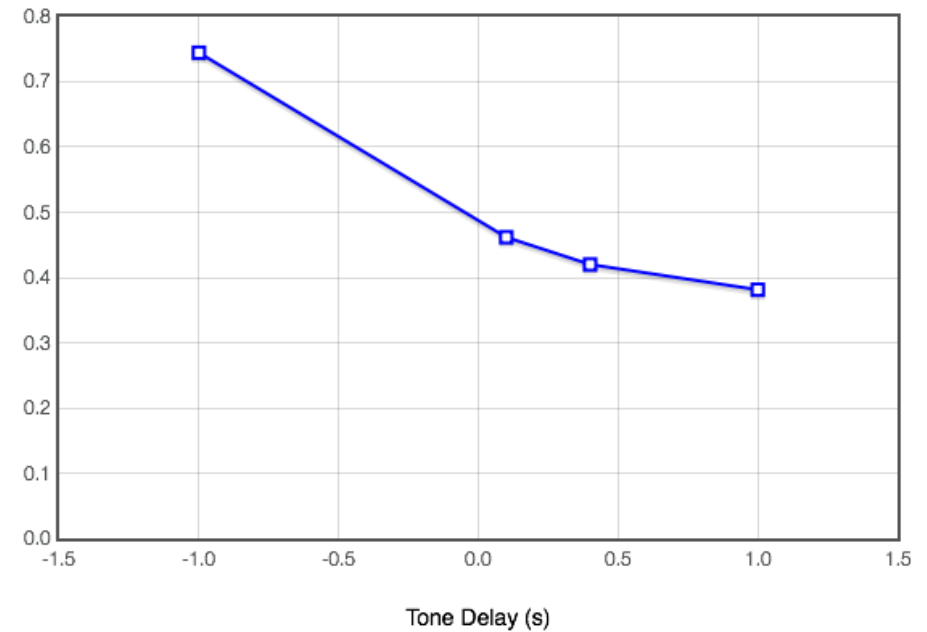
- Tachistoscope

CogLab: Partial Report
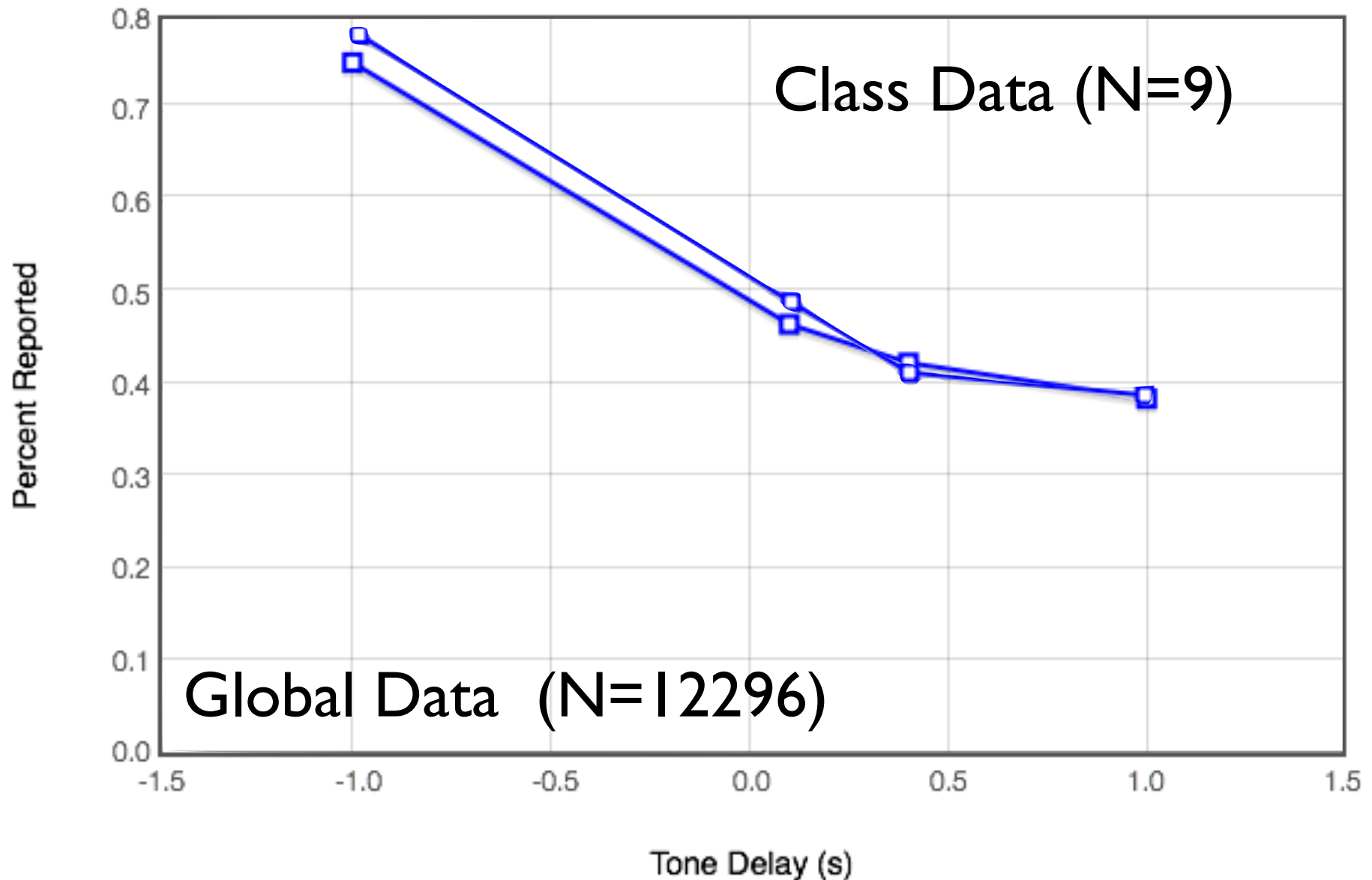
ZBY
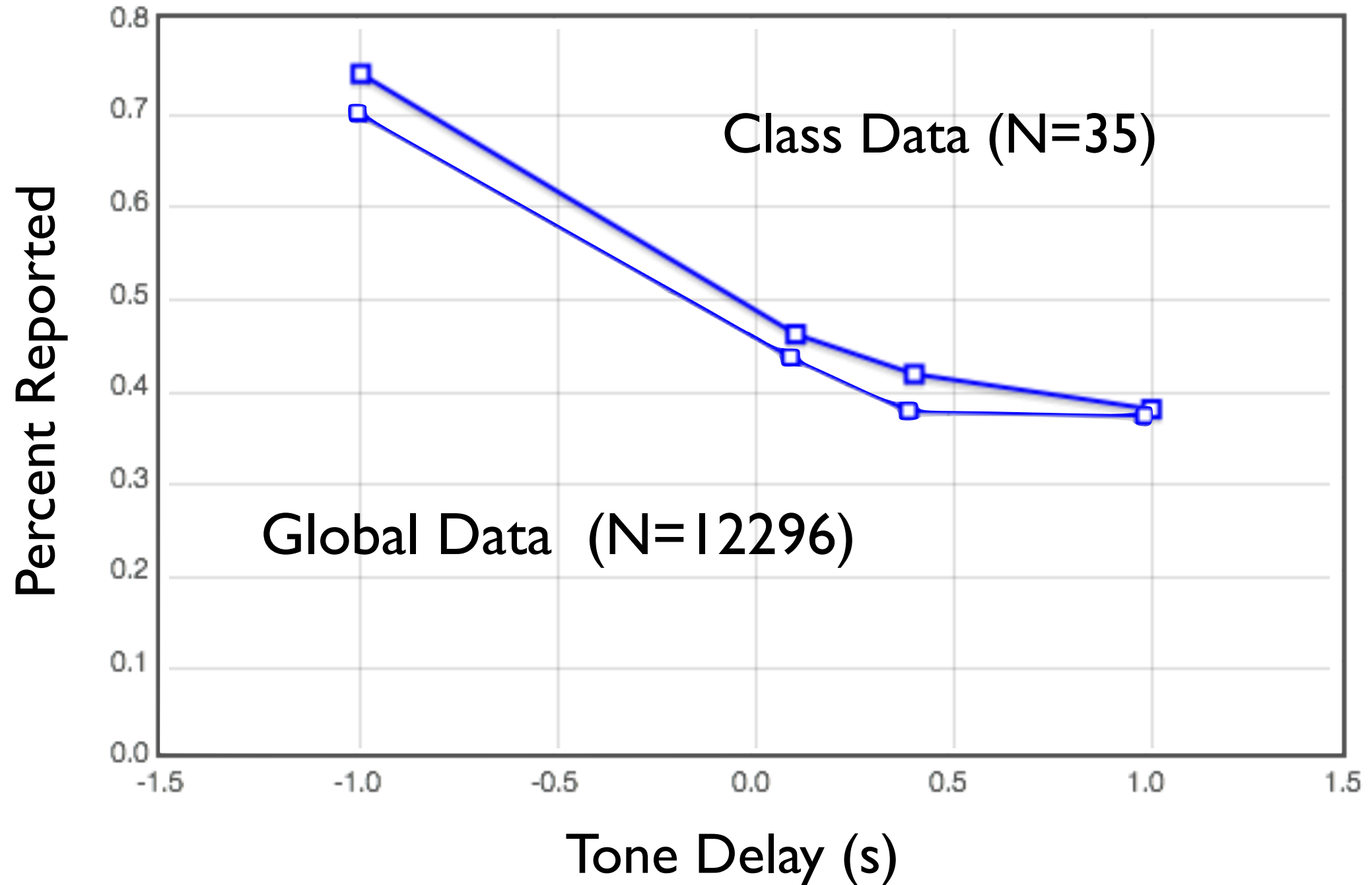DGX
CWR

CogLab: Partial Report

My Data
(N=1)

Global Data
(N=12296)

CogLab: Partial Report

Class Data (N=9)

Global Data (N=12296)

CogLab: Partial Report

Class Data (N=35)

Global Data (N=12296)

Percent Reported

Tone Delay (s)

Sperling vs CogLab

- There was a mistake in the readings: please focus only on Experiment 4 which is most like CogLab (not Experiment 3).

- Methods:

  - Tone Delays:

    - Sperling: 0, +0.15, +0.3, +0.5, +1.0

    - CogLab: -1.0, +0.1, +0.4, and +1.0

  - # of stimuli

    - Sperling: 8 (arranged in 2 rows of 4)

    - CogLab: 9 (arranged in 3 rows of 3)

Sperling vs CogLab

- Figure 5A (the left most of the 3 graphs) is the one to pay attention to.

  - Sperling gives results as # of correct answers out of 8.

  - You'll need to eyeball them from the graph.

  - Convert by dividing by 8 to get %correct (e.g. 8/8 = 100%, 6/8=75%, etc.)

  - CogLab gives results in terms of %correct.

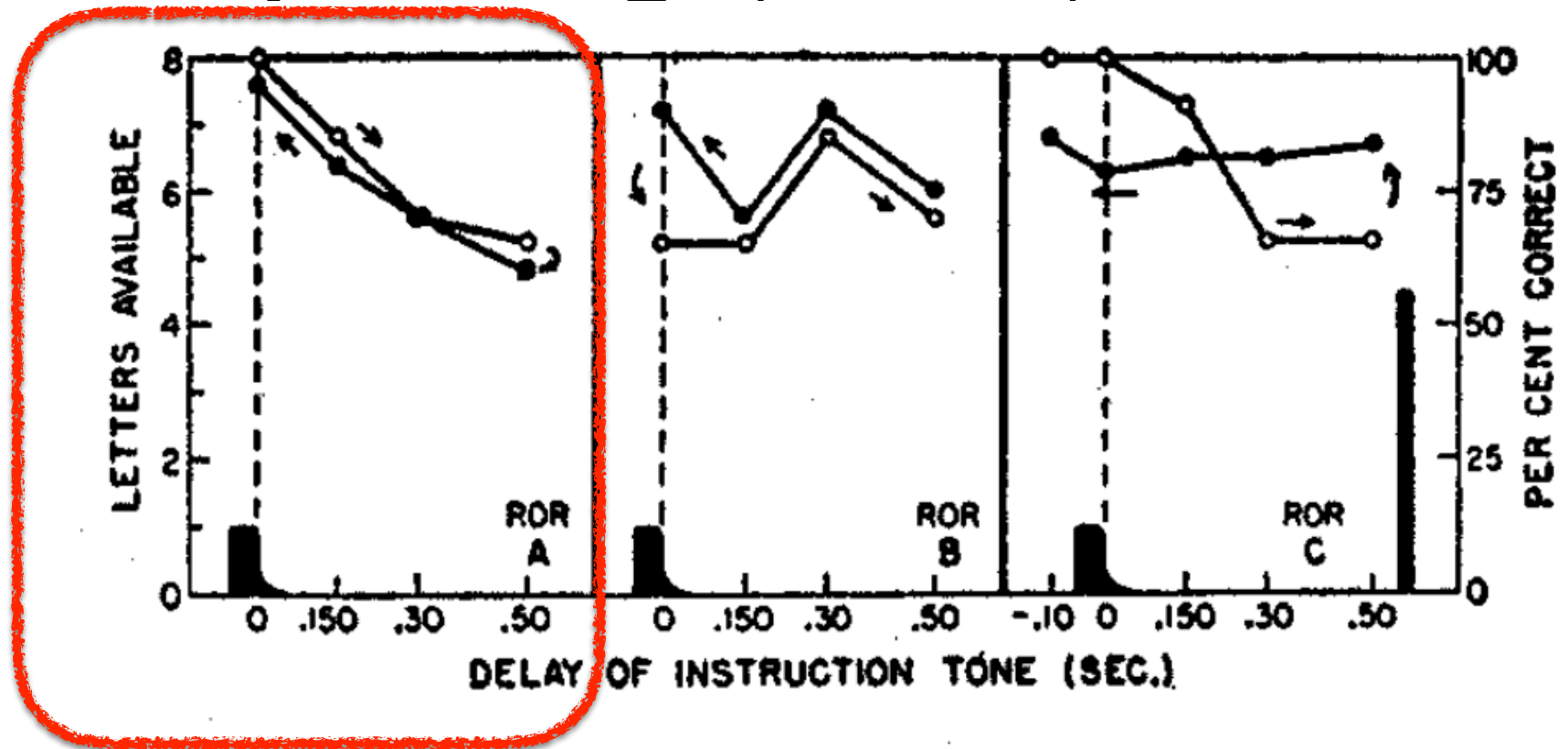 - In your paper, compare the %correct numbers.

Sperling (1960)

FIG. 5. Partial report of eight (4/4) letters, three consecutive sessions. Arrows indicate the sequence in which conditions followed within a session. The light flash is shown on same time scale at lower left of each figure. Bar at right indicates immediate-memory for this material. One subject (ROR).