

User study - Evaluation of Pixel-based text analysis tool with an Integrated Focus + Context

Quantitative tasks (20-25 min.):

Confidence level in answers is in the scale of - 1(Low confidence) to 5(High confidence).
Please indicate your confidence in answer at the end of each question.

- 1) Select witness ids 1 to 15 in the “Witnesses” list box. Navigate to poem 2, page 12, and line 22, lemma “Thyrsis”. How many groups of colored variants do you see?

- a. 1
- b. 2
- c. 3
- d. 4

Your confidence level in answer - 1 2 3 4 5

- 2) For the same lemma “Thyrsis” as in the previous question, what are the first line and page numbers that you see in the right side “Lines>>” and “Pages>>>” views?

- a. L31, P14
- b. L32, P14
- c. L27, P13
- d. L40, P17

Your confidence level in answer - 1 2 3 4 5

- 3) For the same lemma “Thyrsis” as in the previous question, what are the variants with the highest dissimilarity? 

- a. Witness IDs – N, G, α , β
- b. Witness IDs – G, α , β , λ , μ , κ , φ , π
- c. Witness IDs – α , β , λ , λ , μ , κ
- d. Witness IDs – G, α , β , λ , μ , κ , φ , η

Your confidence level in answer - 1 2 3 4 5

4) Enable “Show Counts” checkbox. On page 11, which witness has the most number of variants?

- a. G
- b. P
- c. δ
- d. λ

Your confidence level in answer - 1 2 3 4 5

5) Select witness ids 1, 7, 9, 11, 13, 16, 20, 22. On page 12, line 32, lemma “Flora” what are the witness ids to agree to the same variant?

- a. λ , φ , ν , ρ
- b. λ , φ , A, ω
- c. λ , φ , ν , A
- d. λ , φ , ν

Your confidence level in answer - 1 2 3 4 5

6) Enable “Show Line Separators” checkbox. Select witness ids N, G and α . In lines 34 and 35, what are the lemmas with variants for all the 3 witnesses?

- a. Pomona, Nymphae
- b. Nymphae, irriguos, hortos
- c. Nymphae, irriguos
- d. Iam, nutrine

Your confidence level in answer - 1 2 3 4 5

7) Enable “Show Page Separators” checkbox. Find the start and end line numbers on page 13.

- a. 27 and 54
- b. 27 and 36
- c. 55 and 71
- d. 72 and 87

Your confidence level in answer - 1 2 3 4 5

8) Type "poem3" in Text Source textbox and press "Enter". Select witness ids 19 to 25. In the "Full Text" view, which witness id has the highest and lowest variant count?

- a. A and N1
- b. P and A
- c. P and N1
- d. H and N1

Your confidence level in answer - 1 2 3 4 5

9) Select witness ids 1 to 20. Compare lines 63 and 66. Do you see a common pattern in the witness list?

- a. Yes
- b. No
- c. Not sure

Your confidence level in answer - 1 2 3 4 5

10) Select witness ids 1 to 20. On line 8, lemma "Lycidan" which witness id has the most dissimilar variant ?

- a. μ , κ
- b. κ , φ
- c. φ
- d. κ

Your confidence level in answer - 1 2 3 4 5

11) Select witness ids 1 to 20. Increase the Zoom level to 20. On line 4, lemma "ruscis", what are the witness ids with a variant reading?

- a. δ , γ , λ
- b. δ , γ , ε
- c. δ , γ
- d. λ , ε

Your confidence level in answer - 1 2 3 4 5

12)Poem 2, page 12, line 20-lemma “intermittere”. Select all witness ids. Are all variants displaying the same level of dissimilarity?

- a. Yes
- b. No
- c. Not sure

Your confidence level in answer - 1 2 3 4 5

13)Select witness id N. In poem 2, page 12, and line 35 – How many lemmas with a variant are present?

Your confidence level in answer - 1 2 3 4 5

Quantitative tasks: (10 – 15 min.)

1) Can you **locate/identify** lemmas with interesting characteristics using this visualization?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

2) Can you **distinguish** between similarities of variants of different witnesses using the color mapping?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

3) Do you think the color mapping  helped you to **categorize** variants to different groups of similarities?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

4) Are you able to identify **groups/clusters** of witnesses based on variant similarity in this pixel-based visual representation?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

5) Do you think this representation of data gives a clear overview of the **distribution** of variants over the whole data set?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

6) Can you easily **rank** the witnesses based on the number of variants contributed using this visualization?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

7) Do you think this visual representation helps you to make **comparison** between variants?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

8) Do you think this visual representation helps you to form **association** between witnesses?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

9) Given two witnesses, do you think relationship or **correlation** between them can be observed easily?

Circle any one - (Easy) 1 2 3 4 5 (Difficult)

10)What would you suggest for improving the visualization tool?

Thank you!!