

# **A visual analytics system for flows of conversations in counseling**

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## **Abstract**

This paper shows a visual analytics system of flows of conversations in counseling. The expert counselors give the beginner counselors advices about the counseling contents. However, under the present conditions, the expert counselors read text data of counseling content started writing with eyes, and time suffers though I read the whole and analyze each contents. Therefore, as this suggestion system, we visualized a distribution change along the progress with an accumulation line graph at the time of the word group of " work task"," friendship task "and" love or family task " and expressed the question form from a counselor in a vertical line on a graph. Before the visualization, the system performs morphological analysis of counseling transcription text data and looks for the word in conjunction with the groups. We had an expert counselor really spend this system and had a review that it would be possible for an objective counseling evaluation if this study advanced more. Future works are operability, accuracy and more counselors making a try and evaluating this system quantitatively.