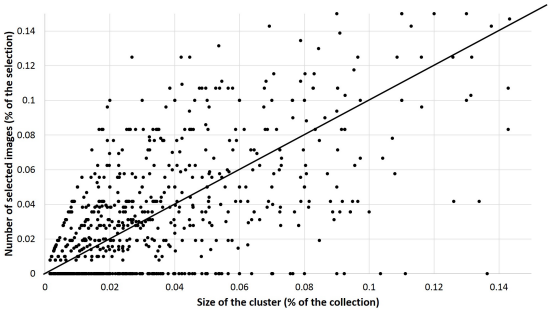

Fig. 5. Amount of selected images in clusters (with respect to the size of selection) versus relative size of clusters.

with the notion of coverage. However, what is more interesting is that the size of the cluster seems to be only marginally correlated with the importance of the cluster (i.e. the number of selected images it contains). This is potentially another limitation for all those methods that select an amount of images from each cluster proportionally to its size.

7. CONCLUSION

In this paper, we presented a user study to better understand the human selection process in the scenario of long-term photo preservation. The results of the study gave insights that can be the starting point for the development of automatic selection approaches dedicated to the scenario of preservation. In addition, we experimented the modeling of the insights within automatic selection methods, and analyzed the correlation between selections done by humans and automatically identified photo clusters. The analysis highlighted issues that clustering–based approaches might face when applied to the scenario of preservation. We plan to exploit these results to advance automatic approaches to photo selection for preservation by investigating how clustering and coverage-based approaches can be improved to meet user selections.

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