## **Categorized Affective Pictures Database**



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## THE CURRENT STUDY

The aim of the current study was to develop a picture database which contains categorization of affective pictures to discrete emotions based on agreement levels, and also provides information od emotional dimensions.

The bars represent the amount of pictures in each emotional category. Categorization of the pictures was based on agreement levels. The categorization was based on the most frequent category participants chose while watching each picture.

## METHOD

Five hundred and thirteen pictures were selected from the IAPS (Lang et al., 1999), NAPS (Marchewka et al., 2014), GAPED (Dan-Glaused & Scherer, 2011) and BSDS300 (Martin, Fowlkes, Tal & Malik 2007)



## GENERAL DISCUSSION

The current study provides information regarding discrete emotions as well as

RESULTS	REFERENCES
The generation task in experiment 1 provided 10 emotional categories: love, happiness, surprise, peacefulness, pride, anger, disgust, sadness, compassion and fear. Experiment 2 (a&b) provided us agreement levels for the most dominant category, for each picture, We also have data for the second most dominant category (See Figure 2) The ratings of intensity and arousal were highly correlated (r=0.93, p<0.001)	<ul> <li>Dan-Glauser, E. S., &amp; Scherer, K. R. (2011). The Geneva affective picture database (GAPED): a new 730-picture database focusing on valence and normative significance. <i>Behavior Research Methods</i>, <i>43</i>(2), 468.</li> <li>Lang, P. J., Bradley, M. M., &amp; Cuthbert, B. N. (1999). International affective picture system (IAPS): Instruction manual and affective ratings. <i>The center for research in psychophysiology, University of Florida</i>.</li> <li>Marchewka, A., Żurawski, Ł., Jednoróg, K., &amp; Grabowska, A. (2014). The Nencki Affective Picture System (NAPS): Introduction to a novel, standardized, wide-range, high-quality, realistic picture database. <i>Behavior Research Methods</i>, <i>46</i>(2), 596–610. https://doi.org/10.3758/s13428-013-0379-1</li> <li>Martin, D., Fowlkes, C., Tal, D., &amp; Malik, J. (2007). The berkeley segmentation dataset and benchmark. <i>University of California, Berkeley</i>.</li> <li>Mikels, J. A., Fredrickson, B. L., Larkin, G. R., Lindberg, C. M., Maglio, S. J., &amp; Reuter-Lorenz, P. A. (2005). Emotional category data on images from the international affective picture system. <i>Behavior Research Methods</i>, <i>37</i>(4), 626–630. https://doi.org/10.3758/BF03192732</li> <li>Riegel, M., Żurawski, Ł., Wierzba, M., Moslehi, A., Klocek, Ł., Horvat, M., Marchewka, A. (2016). Characterizatior of the Nencki Affective Picture System by discrete emotional categories (NAPS BE). <i>Behavior Research Methods</i>, <i>48</i>(2), 600–612.</li> </ul>

Link to the CAP-D material: <u>https://osf.io/b4dms/?view\_only=f984c0e2ecd04039ac8cbb40ef61b461</u>

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