**Midway Report**

Project in Data Science

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As a task for Projects in Data Science, the group analyzed the relevant pictures in order to take conclusions about possible occurrence of cancer. By researching several webpages (Seladi-Schulman, 2022) (Allan C. Halpern, 2021) (Osborn, s.d.) (Anadolu-Brasie R, 2008) (Michael J. Greco, 2023), the team gathered some information about different types of cancer and categorized the pictures into each disease. Since the images are being seen on a phone or laptop screen and the research is conducted by unexperienced students, some images were categorized into more than one group. The findings are as follows:

Actinic keratosis - a discolored, rough spot, up to 1 cm in diameter, often with hyperkeratotic

layers, sometimes taking the form of a cutaneous horn. 71

Basal cell carcinoma - most often a pale color nodule, well demarcated from the surrounding

skin, with translucent vessels. In more advanced forms with the presence of an ulcer with a ridged edge. 49

Melanoma - asymmetrical lesion, with irregular borders, non-uniform color (from light brown to

black) and diameter over 6 mm. 2

Nevus - symmetrical lesion, with even borders, uniform color (from light brown to black) and

diameter up to 6 mm. 13

Squamous cell carcinoma - from an erythematous, scaly papule to an ulcerated, disintegrating

Tumor. 22

Seborrheic keratosis - more or less raised lesions above the skin surface, sometimes

pedunculated, with a smooth, lumpy, or rough surface, pale or brown color. 25