Discussion Questions

1. Is this model more limited by code generation ability or the computer vision capabilities of the APIs that it calls?

2. What are the main advantages and disadvantages of the proposed ViperGPT framework?

3. Is achieving SOTA results in zero-shot significant given that those results are lagging behind the supervised approaches?

4. Since, the underlying ViperGPT framework relies on many pretrained models, is the comparison with methods that use a single model fair?

5. Could stitching existing models together through code generation LLMs be the answer to unifying models for complex ML tasks?

6. Will modular zero-shot approaches such as ViperGPT replace end-to-end learning methods in the future?

7. How computationally costly is the proposed approach?

8. What other research domains could this API style code generation be applied to?

9. Why was this paper selected for class readings given that it's a compilation of achievements from other authors rather than a true effort to push the boundaries in both engineering and scientific fields?

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