Machine Learning Engineer Take-Home

Cofactor AI

1. **Idealized SOAP Note:**

We are asked to implement a pipeline that takes a transcript and outputs a SOAP note. The pipeline should use LLM(s) to extract and organize the relevant information into the four SOAP sections.

Looking at the SOAP note reference: <https://en.wikipedia.org/wiki/SOAP_note> we can extract the following information. The SOAP meaning is the next one:

* **S**: Subjective 🡪 What the patient says (symptoms, sensations, history, pain scale, etc.)
* **O**: Objective 🡪 Healthcare Provider observations (vital signs, physical findings, tests, etc.)
* **A**: Assessment 🡪 Diagnosis or clinical impression of the professional.
* **P**: Plan 🡪 Next steps: treatments, testing, referrals, education, follow-up.

Diagrama

El contenido generado por IA puede ser incorrecto.

1. Basic EMR
2. Modern EMR