

Bat'Flow

the mobile app that helps detect abnormalities in your menstrual cycle

what is HMB ?

High menstrual bleeding (HMB) is defined as excessive menstrual blood loss that interferes with quality of life which may occur alone or in combination with other symptoms. HMB increases the risk of iron deficiency, which, if left untreated, can progress to anemia. For a case to be considered HMB, a woman must lose on average at least 80 ml of blood per cycle. Our mission is to help people spot the symptoms, and give them advice on how to get better.

37%

of women suffer from high menstrual bleeding.

Bat'Flow provides two tools to detect HMB : the PBAC and the Samanta test.

PBAC

Pictorial Blood loss Assessment Chart (PBAC) combines the number of sanitary pads used and their degree of impregnation assesses menstrual blood loss. A score above 100 has been associated with menstrual loss greater than 80 mL. Bat'Flow provides its users a photo-based analysis to determine the degree of menstrual product impregnation.

Samanta test

The SAMANTA questionnaire consists of six items that address both the symptoms of HMB and its interference with quality of life and daily activities. The total score ranges from 0 to 10 points, and a total score ≥3 indicates the presence of HMB that interferes with quality of life.

And other features ...



Predicting menstrual cycles and fertility periods



Statistics on the menstrual cycle



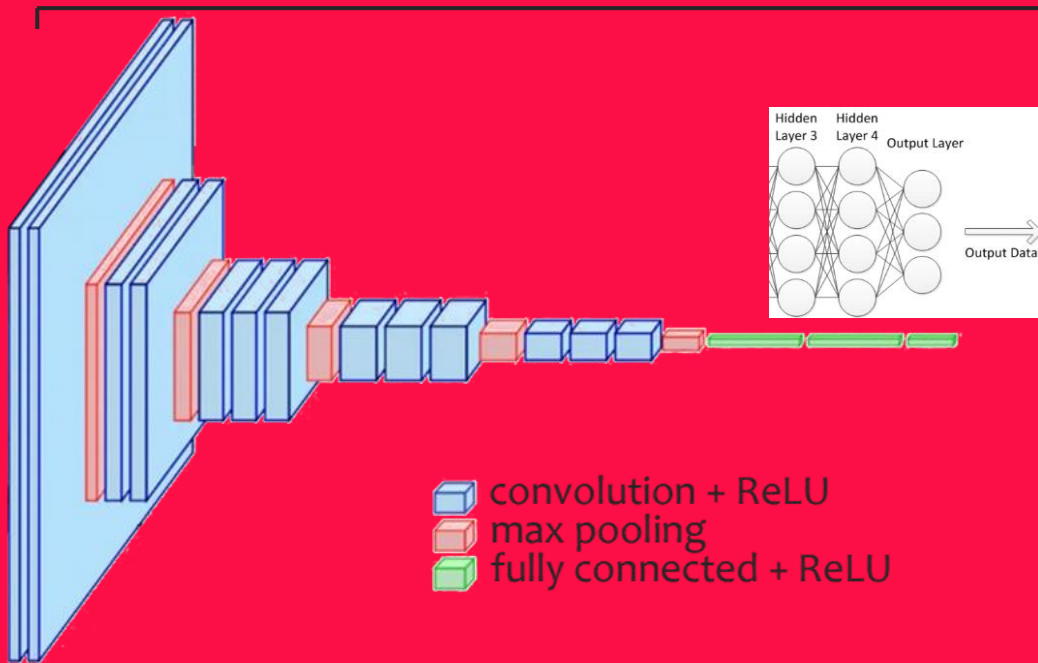
Information and advice to help you better understand your cycle

... The application is designed to fully cover the user's menstrual cycle needs !

Blood Loss Image Classification

Pre-trained VGG-16

+ dataset of 100 images (500 augmented)



BLOOD LOSS:

HIGH	-	61, 5%
MEDIUM	-	28%
LOW	-	10, 5%

HuggingFace Hosting

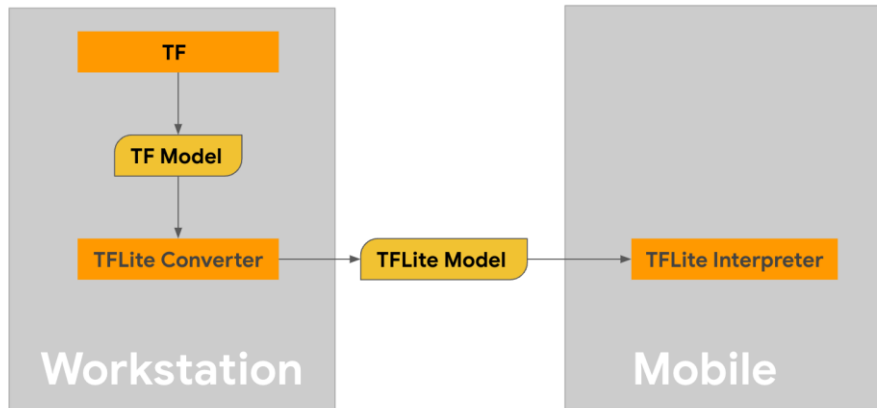


HUGGING FACE

<https://huggingface.co/docs>

Modèle compatible mobile

TensorFlow Lite



<https://github.com/tensorflow/tflite>

API

Menstrual Blood Loss Classifier

Upload Image



Your blood loss on this picture seems to be:

High: 61.5%

Medium: 28%

Low: 10.5%



image



Conversion de l' image
+ Traitement par le modèle

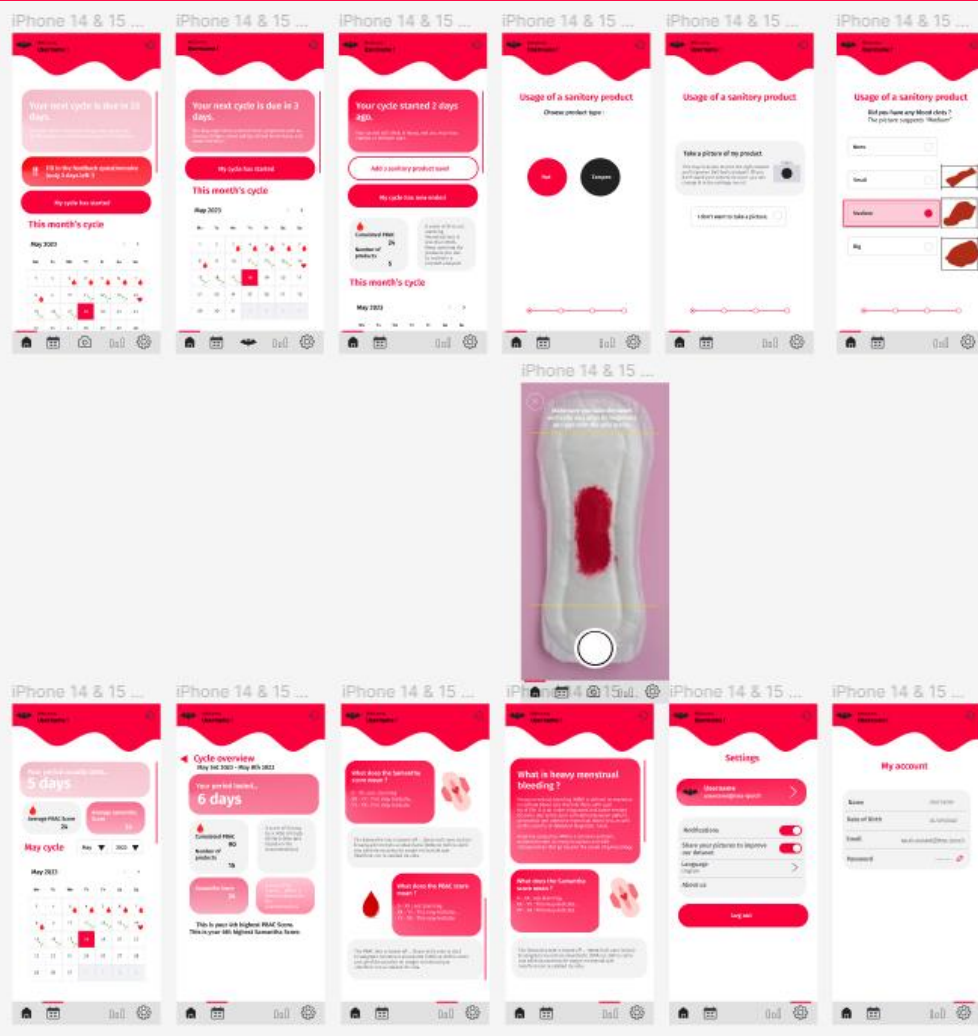
Envoi de la prédiction
au format JSON

Prédiction

Mise en ligne sur le
domaine public

The logo for ngrok, featuring the word "ngrok" in a bold, dark blue, sans-serif font. The letters are lowercase, and the "n" and "g" are connected. The logo is centered within a white square.

Conception



Mobile App

BatFlow



LOGIN

Welcome,
Léa



Your next cycle is due in 28 days

You may experience premenstrual symptoms such as cramps, fatigue, mood swings, breast tenderness, and water retention.

Track your **cycles** and the **intensity** of your periods.

My cycle has started



View cycle stats



Welcome,
Léa



Your cycle has started on the Apr 2, 2024

Your period still likely is heavy, and you may have cramps or stomach pain.

1 protection(s) used



Add a sanitary product used



My cycle has now ended



