Data Scientist Test

In maids.cc, we hire many African maids: Nigerians, Kenyans, Ugandans, Cameroonian, Ghanaian. To simplify the exercise, assume that all these nationalities fall into 1 group: Africans.

Recently, we started getting African walk-ins maids: meaning maids who are already in Dubai and looking for a job. Previously we used to get African maids from operators: these are maids who are already in their home country; we pay the operator around AED 4000 to get them to the UAE so we can issue a visa for them.

Objective of this task:

1) Check if there's any correlation between the type of maid and client satisfaction? i.e. are clients who have walk-in maids, more satisfied than clients who have operator maid, or vice versa?
For client satisfaction, please measure: client cancellation rate and complaint rate

2) Which type of maids are faster to get hired by a client? And what's the average days every type of maid stays with us before getting hired by a client.

3) Check if there's any correlation between the type of maids, and the number of failed interviews?

4) Check if there's any correlation between the type of maid and their termination rate.

5) propose which type of maids we should proceed with: Operators or Walk-ins?

Once you're done, and still have some time before the submission deadline, it would be great if you repeat the same exercise but by comparing the different nationalities of walk-in maids (Rather than comparing walk-in maids with operator maids)

As a part of the exercise, we'll put you in contact with a data analyst in the company, who will give you as many reports as you want, based on your requests.

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This task should take up to **3 days**. If can be delayed based on your request.

Good luck,