Click-log Analysis & Visualization

Please finish the below coding assignment preferably in Python. The ideal time to complete should be within 3-4 days of starting the exercise.
Please use any one of R, Matplotlib, sns or Pandas modules for visualization exercise.

The objective of this exercise is to programmatically analyze the click logs as mentioned below & plot the visuals.

You can provide us your script via email or host it on Github.

Part 1:
Consider you have a file containing millions of rows, where each row represents a click log.
Use this sample file for your reference:
https://drive.google.com/open?id=0Bw55Xs1JG3x0cWNZeXlvWkRLa00

First, read the above csv into a DataFrame.

1.a) For every affiliate_id(Col B), calculate the unique ios_ifa(Col K) & google_aid(Col L) present in the data.

1.b) Calculate how many valid google_aid & ios_ifa exist in the dataset.

google_aid = Google play advertising identifier, also usually termed as *AAID*
More info on google_aid can be read here:
https://developers.google.com/android/reference/com/google/android/gms/ads/identifier/AdvertisingIdClient
https://support.google.com/googleplay/android-developer/answer/6048248?hl=en

A google_aid value always exists in this format: nnnnnnnn-nnnn-nnnn-nnnn-nnnnnnnnnnnn
Where all characters are alphanumeric, and in *lower case*, overall length is 36 characters.

ios_ifa = Apple advertising identifier.
More info on ios_ifa can be read here:
https://developer.apple.com/library/ios/documentation/AdSupport/Reference/ASIdentifierManager_Ref/
Similar to google_aid, an ios_ifa identifier also exists in the same format: NNNNNNNN-NNNN-NNNN-NNNN-NNNNNNNNNNNN
Where all the characters are alphanumeric, and in *upper case*, overall length is 36 characters.
Your code should be able to properly validate both google_aid & ios_ifa device ID's & ignore invalid values.

PS: You should use UUID validation regex here & apply them for validating both these identifiers.

Part 2:

2.1) Plot a histogram from the data obtained from exercise 1.a)

2.2) Plot a histogram of the no. of clicks v/s affiliate_id in the dataset.