**Columnas de Editorial Universitaria**

['Predictor Flag', 'Número de vistas de página', 'Usuarios nuevos',

'Usuarios', 'Número de sesiones por usuario', 'Sesiones', 'Argentina',

'Otros Paises', 'desktop', 'mobile', 'tablet',

'Categoría de dispositivo promedio', 'Categoría de dispositivo std',

'Linux', 'Android', 'iOS', 'Windows', 'Macintosh', 'Windows Phone',

'Sistema operativo (not set)', 'Chrome OS', 'FreeBSD', 'Playstation 4',

'Sistema operativo promedio', 'Sistema operativo std', 'Direct',

'Organic Search', 'Referral', 'Social', 'Paid Search',

'Agrupación de canales predeterminada promedio',

'Agrupación de canales predeterminada std', 'mes', 'correlacion anual',

'correlacion Trimestral']

(1811, 35)

**Columnas de Tum Transmedia**

['Predictor Flag', 'Número de vistas de página', 'Usuarios nuevos',

'Usuarios', 'Número de sesiones por usuario', 'Sesiones', 'Argentina',

'Otros Paises', 'mobile', 'desktop', 'tablet',

'Categoría de dispositivo promedio', 'Categoría de dispositivo std',

'Windows', 'Android', 'Linux', 'Macintosh',

'Sistema operativo (not set)', 'iOS', 'Windows Phone', 'Chrome OS',

'Tizen', 'Sistema operativo promedio', 'Sistema operativo std',

'Organic Search', 'Social', 'Direct', 'Referral',

'Agrupación de canales predeterminada promedio',

'Agrupación de canales predeterminada std', 'mes', 'correlacion anual',

'correlacion Trimestral']

(1732, 33)

**Columnas de Tum Transmedia**

['Predictor Flag', 'Número de vistas de página', 'Usuarios nuevos',

'Usuarios', 'Número de sesiones por usuario', 'Sesiones', 'Argentina',

'Otros Paises', 'mobile', 'desktop', 'tablet',

'Categoría de dispositivo promedio', 'Categoría de dispositivo std',

'Windows', 'Android', 'Linux', 'Macintosh',

'Sistema operativo (not set)', 'iOS', 'Windows Phone', 'Chrome OS',

'Tizen', 'Sistema operativo promedio', 'Sistema operativo std',

'Organic Search', 'Social', 'Direct', 'Referral',

'Agrupación de canales predeterminada promedio',

'Agrupación de canales predeterminada std', 'mes', 'correlacion anual',

'correlacion Trimestral']

(1732, 33)

**Columnas de Edu unam**

['Predictor Flag', 'Número de vistas de página', 'Usuarios nuevos',

'Usuarios', 'Número de sesiones por usuario', 'Sesiones', 'Argentina',

'Otros Paises', 'mobile', 'tablet', 'desktop',

'Categoría de dispositivo promedio', 'Categoría de dispositivo std',

'iOS', 'Android', 'Windows', 'Linux', 'Sistema operativo (not set)',

'Macintosh', 'Chrome OS', 'Windows Phone', 'Tizen', 'Samsung', 'Nokia',

'Playstation 4', 'Xbox', 'Sistema operativo promedio',

'Sistema operativo std', 'Social', 'Organic Search', 'Direct',

'Referral', 'Email', 'Agrupación de canales predeterminada promedio',

'Agrupación de canales predeterminada std', 'mes', 'correlacion anual',

'correlacion Trimestral'

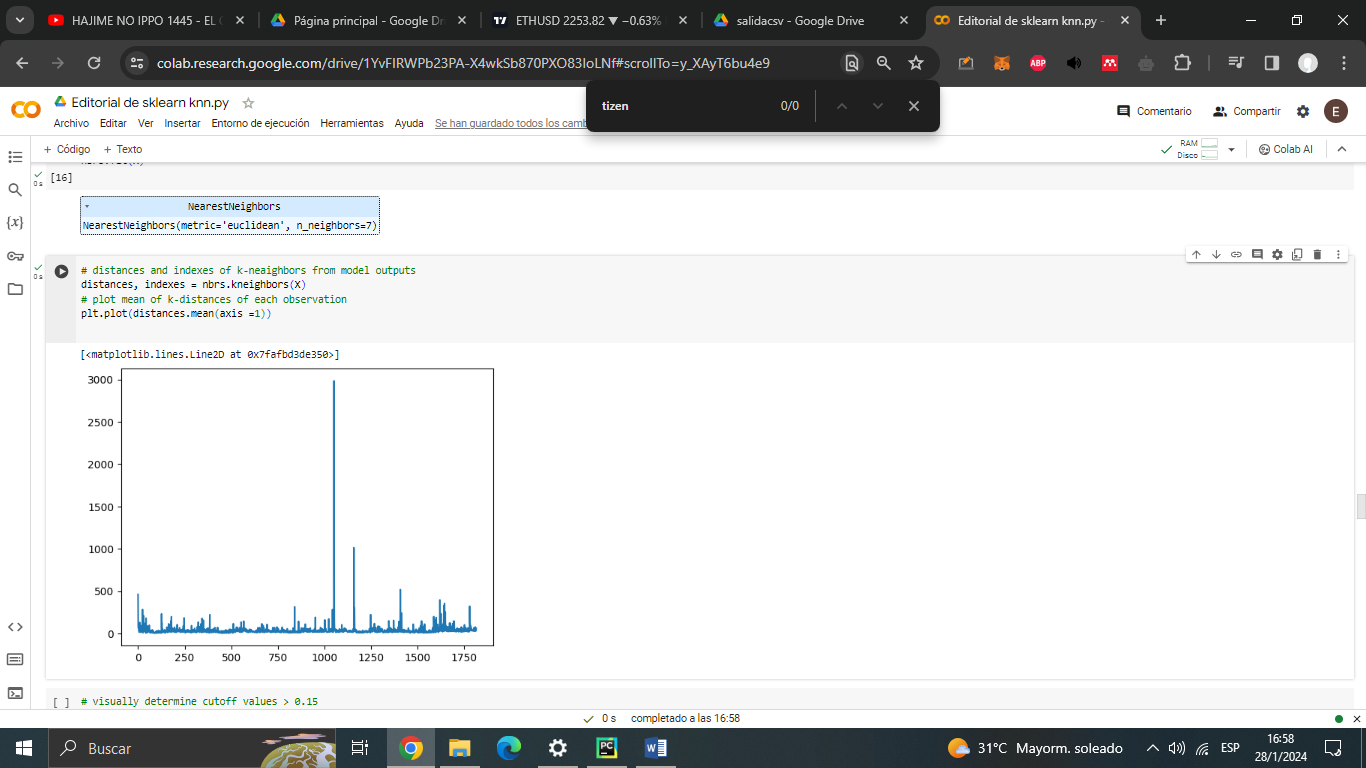
(1022, 38)

Definiciones de los canales en

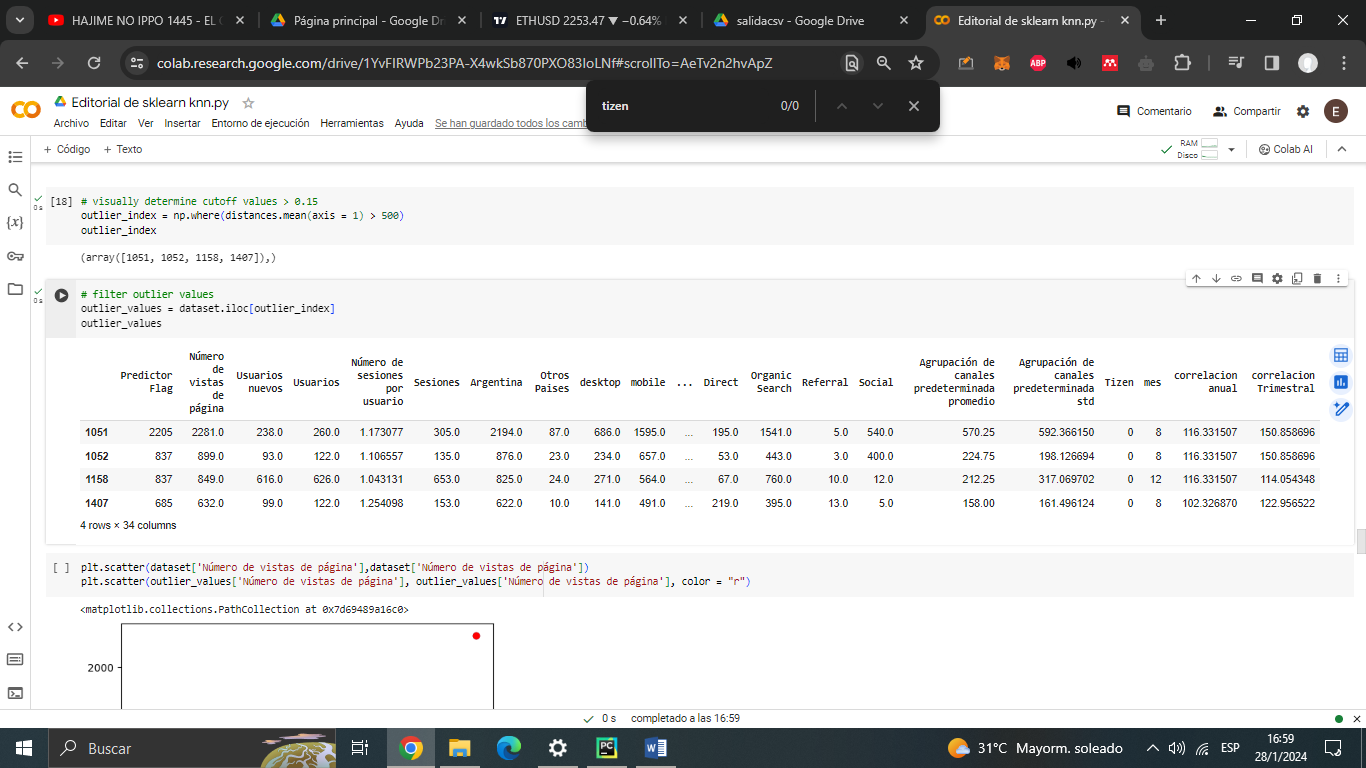
<https://support.google.com/analytics/answer/9756891?hl=es>

<https://support.google.com/analytics/answer/9756891?hl=en>

# EdItorial knn



Filtro>500 7 vecinos mas cercanos



# 

# Editorial Prueba 70-30 Mejor Modelo hyperband.py

Evaluate on test data

16/16 [==============================] - 2s 24ms/step - loss: 0.9602

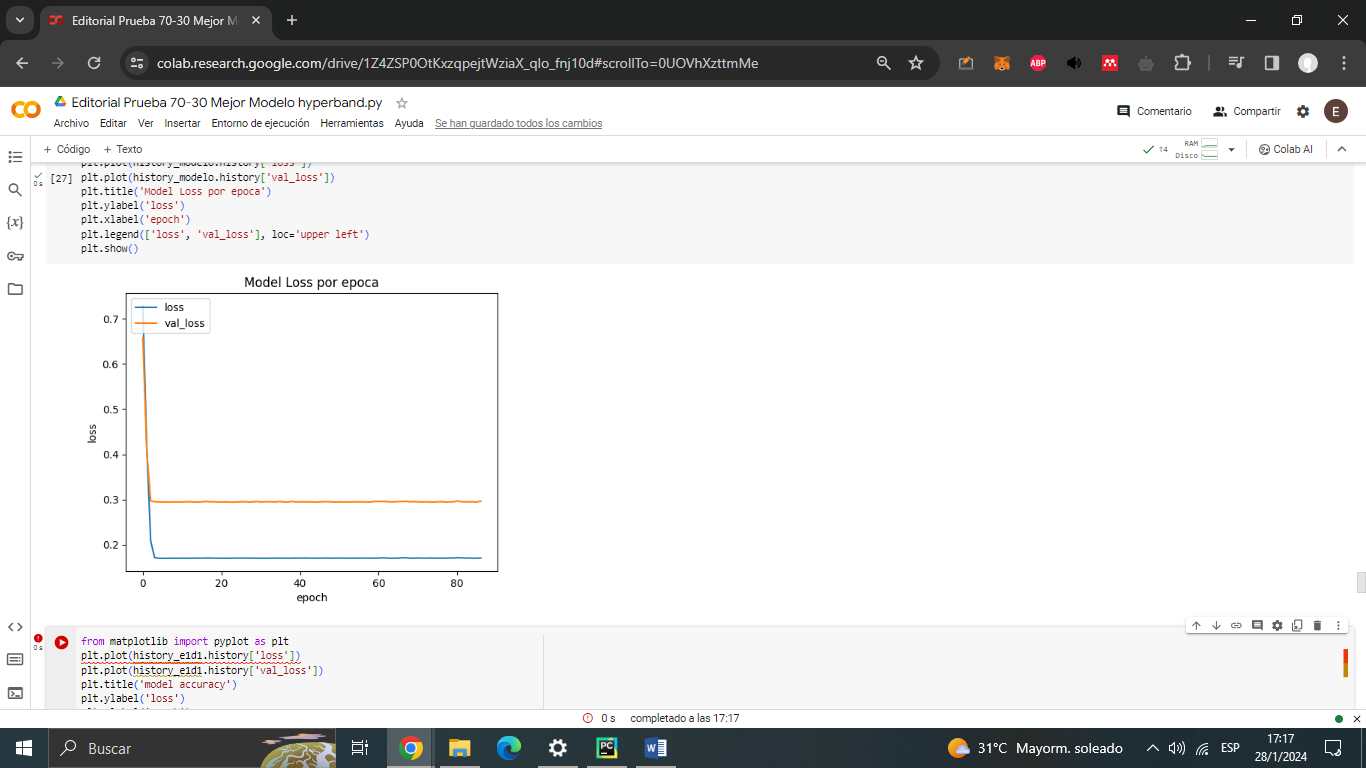
test loss 0.9601681232452393

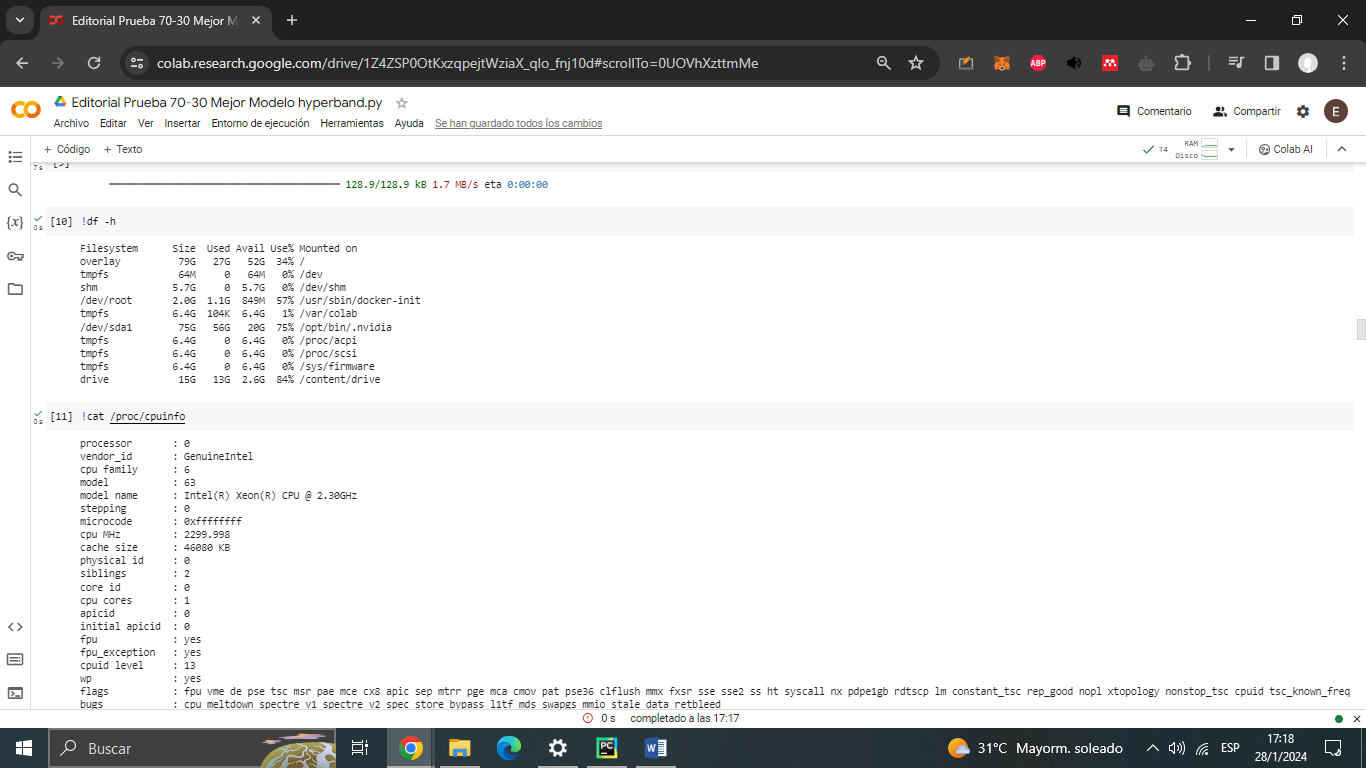
reentreno

comienza 2024-01-28 17:09:21

Finaliza 2024-01-28 17:15:09

Best score 0.2942616641521454





!cat /proc/cpuinfo

processor : 0

vendor\_id : GenuineIntel

cpu family : 6

model : 63

model name : Intel(R) Xeon(R) CPU @ 2.30GHz

stepping : 0

microcode : 0xffffffff

cpu MHz : 2299.998

cache size : 46080 KB

physical id : 0

siblings : 2

core id : 0

cpu cores : 1

apicid : 0

initial apicid : 0

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ss ht syscall nx pdpe1gb rdtscp lm constant\_tsc rep\_good nopl xtopology nonstop\_tsc cpuid tsc\_known\_freq pni pclmulqdq ssse3 fma cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt aes xsave avx f16c rdrand hypervisor lahf\_lm abm invpcid\_single ssbd ibrs ibpb stibp fsgsbase tsc\_adjust bmi1 avx2 smep bmi2 erms invpcid xsaveopt arat md\_clear arch\_capabilities

bugs : cpu\_meltdown spectre\_v1 spectre\_v2 spec\_store\_bypass l1tf mds swapgs mmio\_stale\_data retbleed

bogomips : 4599.99

clflush size : 64

cache\_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 1

vendor\_id : GenuineIntel

cpu family : 6

model : 63

model name : Intel(R) Xeon(R) CPU @ 2.30GHz

stepping : 0

microcode : 0xffffffff

cpu MHz : 2299.998

cache size : 46080 KB

physical id : 0

siblings : 2

core id : 0

cpu cores : 1

apicid : 1

initial apicid : 1

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ss ht syscall nx pdpe1gb rdtscp lm constant\_tsc rep\_good nopl xtopology nonstop\_tsc cpuid tsc\_known\_freq pni pclmulqdq ssse3 fma cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt aes xsave avx f16c rdrand hypervisor lahf\_lm abm invpcid\_single ssbd ibrs ibpb stibp fsgsbase tsc\_adjust bmi1 avx2 smep bmi2 erms invpcid xsaveopt arat md\_clear arch\_capabilities

bugs : cpu\_meltdown spectre\_v1 spectre\_v2 spec\_store\_bypass l1tf mds swapgs mmio\_stale\_data retbleed

bogomips : 4599.99

clflush size : 64

cache\_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

!cat /proc/meminfo

MemTotal: 13290472 kB

MemFree: 7977556 kB

MemAvailable: 12086720 kB

Buffers: 347544 kB

Cached: 3945476 kB

SwapCached: 0 kB

Active: 757092 kB

Inactive: 4223560 kB

Active(anon): 1124 kB

Inactive(anon): 687848 kB

Active(file): 755968 kB

Inactive(file): 3535712 kB

Unevictable: 16 kB

Mlocked: 16 kB

SwapTotal: 0 kB

SwapFree: 0 kB

Dirty: 2760 kB

Writeback: 0 kB

AnonPages: 687692 kB

Mapped: 640572 kB

Shmem: 1332 kB

KReclaimable: 117164 kB

Slab: 159592 kB

SReclaimable: 117164 kB

SUnreclaim: 42428 kB

KernelStack: 5920 kB

PageTables: 9764 kB

SecPageTables: 0 kB

NFS\_Unstable: 0 kB

Bounce: 0 kB

WritebackTmp: 0 kB

CommitLimit: 6645236 kB

Committed\_AS: 2836832 kB

VmallocTotal: 34359738367 kB

VmallocUsed: 76268 kB

VmallocChunk: 0 kB

Percpu: 1088 kB

HardwareCorrupted: 0 kB

AnonHugePages: 4096 kB

ShmemHugePages: 0 kB

ShmemPmdMapped: 0 kB

FileHugePages: 0 kB

FilePmdMapped: 0 kB

CmaTotal: 0 kB

CmaFree: 0 kB

Unaccepted: 0 kB

HugePages\_Total: 0

HugePages\_Free: 0

HugePages\_Rsvd: 0

HugePages\_Surp: 0

Hugepagesize: 2048 kB

Hugetlb: 0 kB

DirectMap4k: 154424 kB

DirectMap2M: 2988032 kB

DirectMap1G: 12582912 kB

!/usr/local/cuda/bin/nvcc --version

nvcc: NVIDIA (R) Cuda compiler driver

Copyright (c) 2005-2023 NVIDIA Corporation

Built on Tue\_Aug\_15\_22:02:13\_PDT\_2023

Cuda compilation tools, release 12.2, V12.2.140

Build cuda\_12.2.r12.2/compiler.33191640\_0

!nvidia-smi

Sun Jan 28 20:05:53 2024

+---------------------------------------------------------------------------------------+

| NVIDIA-SMI 535.104.05 Driver Version: 535.104.05 CUDA Version: 12.2 |

|-----------------------------------------+----------------------+----------------------+

| GPU Name Persistence-M | Bus-Id Disp.A | Volatile Uncorr. ECC |

| Fan Temp Perf Pwr:Usage/Cap | Memory-Usage | GPU-Util Compute M. |

| | | MIG M. |

|=========================================+======================+======================|

| 0 Tesla T4 Off | 00000000:00:04.0 Off | 0 |

| N/A 45C P8 10W / 70W | 0MiB / 15360MiB | 0% Default |

| | | N/A |

+-----------------------------------------+----------------------+----------------------+

+---------------------------------------------------------------------------------------+

| Processes: |

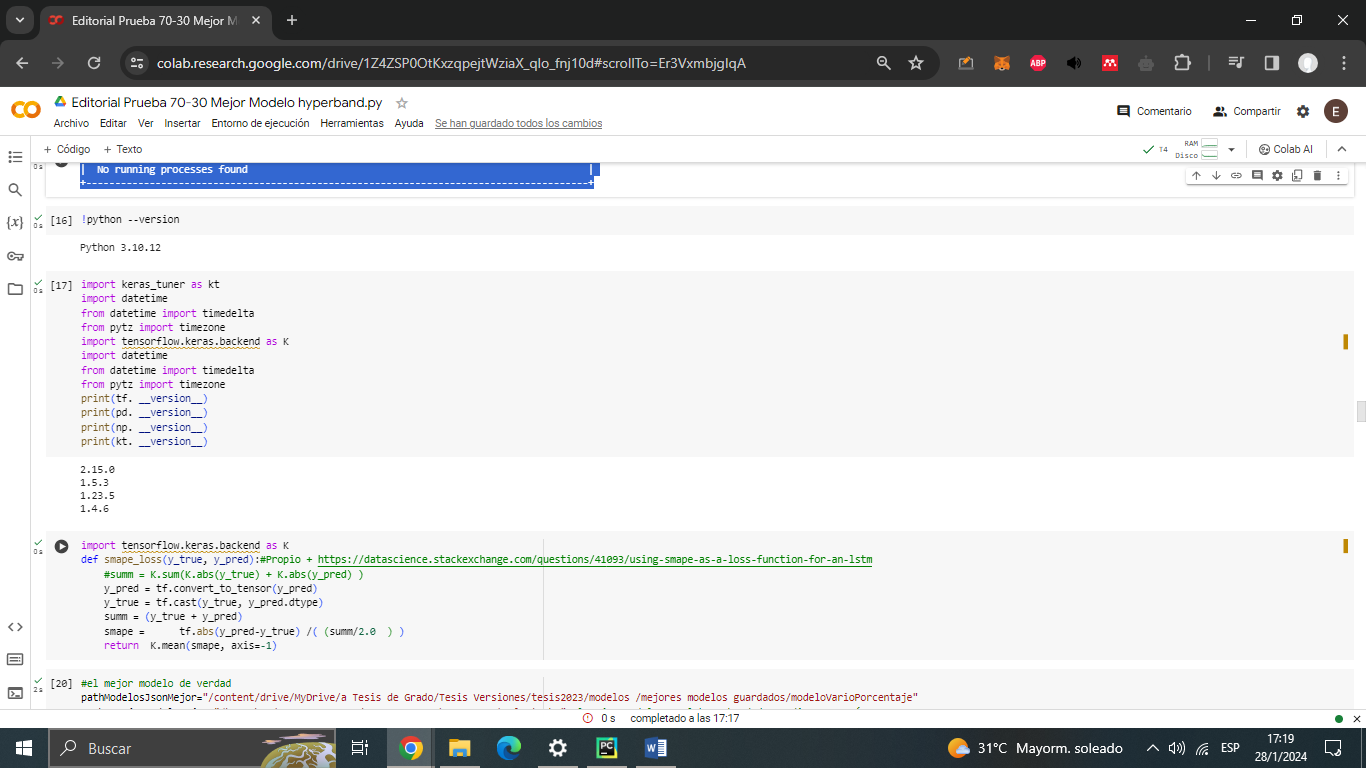
| GPU GI CI PID Type Process name GPU Memory |

| ID ID Usage |

|=======================================================================================|

| No running processes found |

+---------------------------------------------------------------------------------------+



# Editorial prueba 80-20 Mejor Modelo hyperband.py

Evaluate on test data sin reentrenar

11/11 [==============================] - 2s 21ms/step - loss: 0.9957

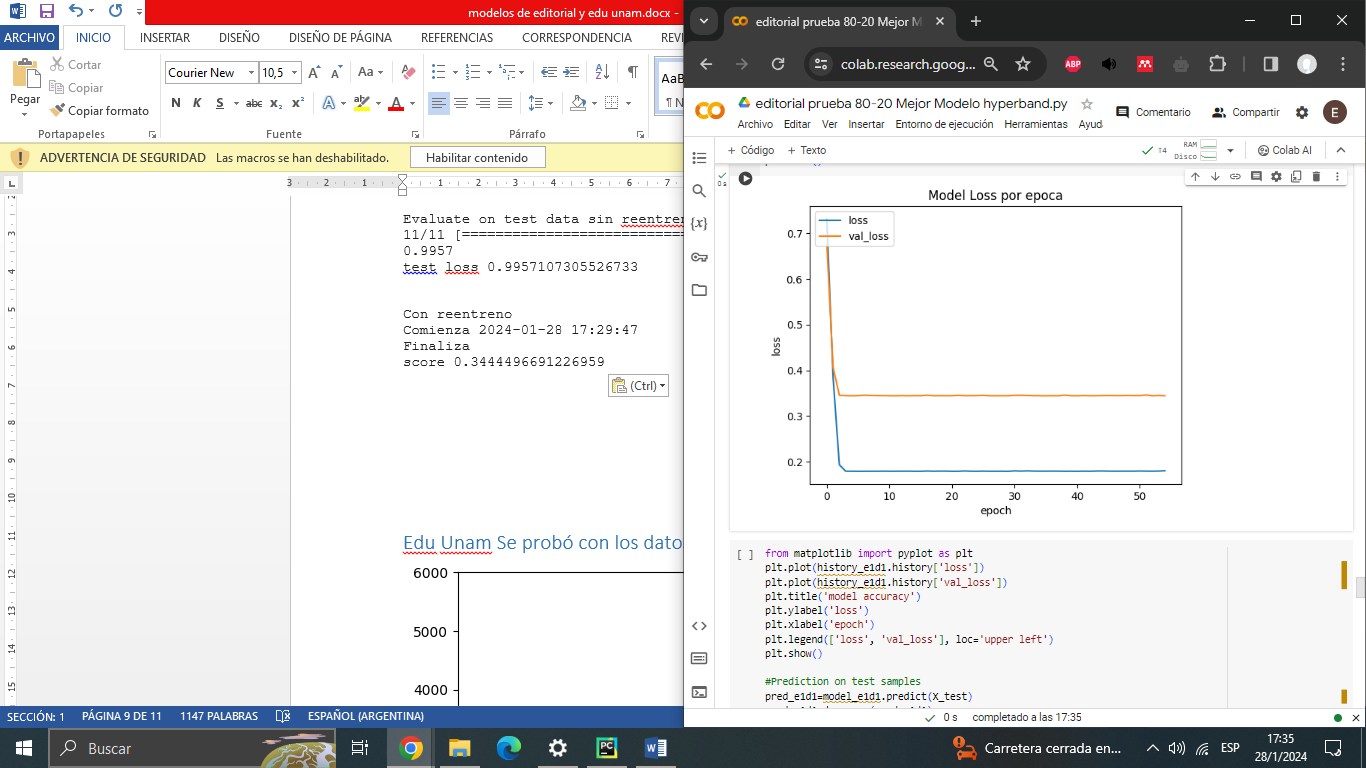
test loss 0.9957107305526733

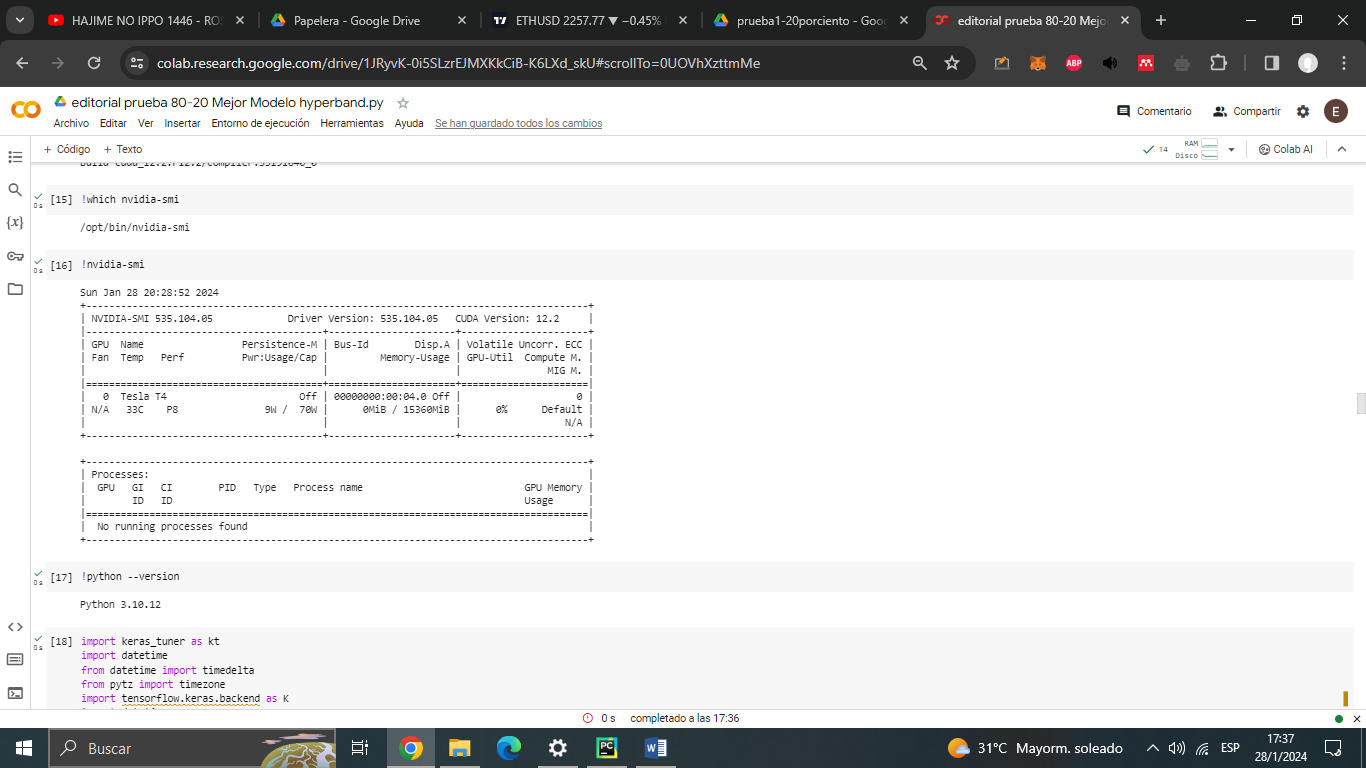
Con reentreno

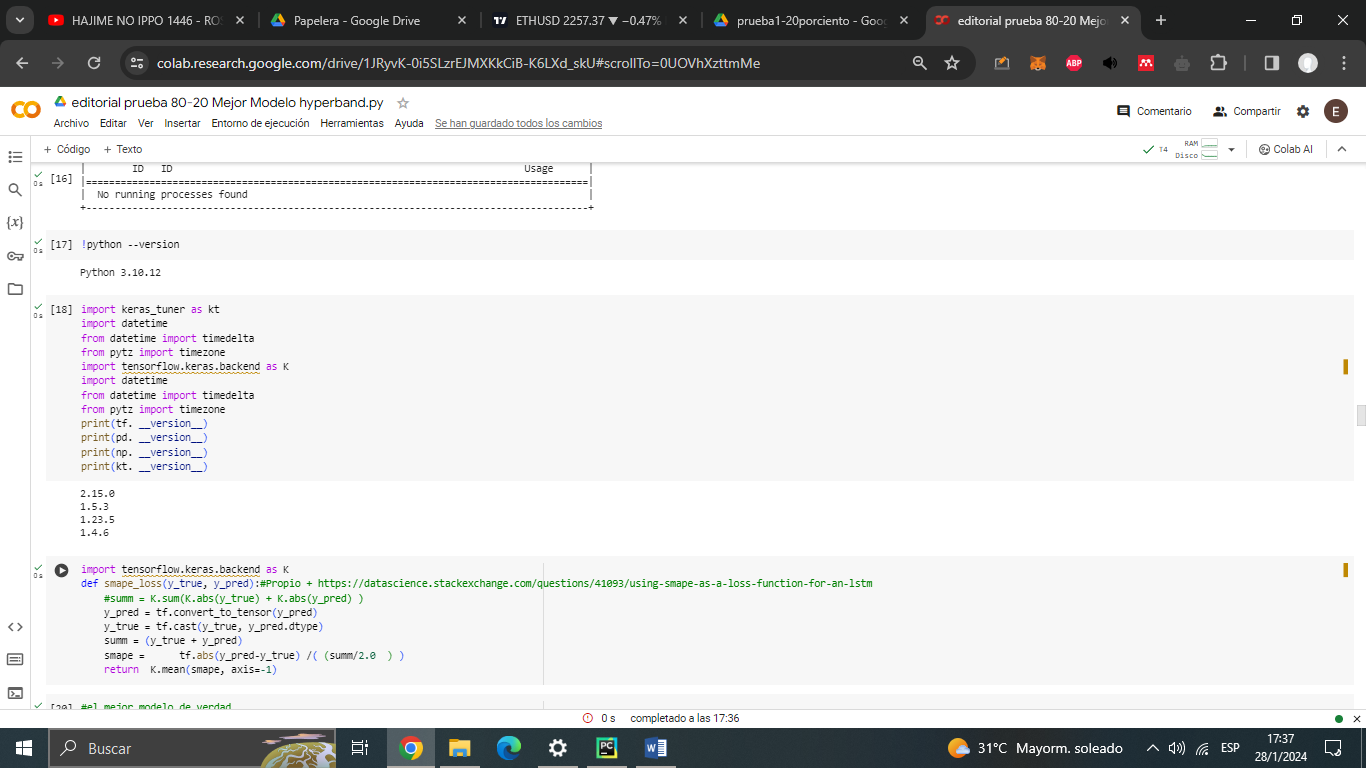
Comienza 2024-01-28 17:29:47

Finaliza

score 0.3444496691226959







!cat /proc/meminfo

MemTotal: 13290472 kB

MemFree: 7958496 kB

MemAvailable: 12073992 kB

Buffers: 349300 kB

Cached: 3949960 kB

SwapCached: 0 kB

Active: 759244 kB

Inactive: 4245104 kB

Active(anon): 1268 kB

Inactive(anon): 705404 kB

Active(file): 757976 kB

Inactive(file): 3539700 kB

Unevictable: 16 kB

Mlocked: 16 kB

SwapTotal: 0 kB

SwapFree: 0 kB

Dirty: 2708 kB

Writeback: 0 kB

AnonPages: 705128 kB

Mapped: 642872 kB

Shmem: 1576 kB

KReclaimable: 117836 kB

Slab: 161124 kB

SReclaimable: 117836 kB

SUnreclaim: 43288 kB

KernelStack: 5844 kB

PageTables: 9864 kB

SecPageTables: 0 kB

NFS\_Unstable: 0 kB

Bounce: 0 kB

WritebackTmp: 0 kB

CommitLimit: 6645236 kB

Committed\_AS: 2852772 kB

VmallocTotal: 34359738367 kB

VmallocUsed: 76204 kB

VmallocChunk: 0 kB

Percpu: 1088 kB

HardwareCorrupted: 0 kB

AnonHugePages: 8192 kB

ShmemHugePages: 0 kB

ShmemPmdMapped: 0 kB

FileHugePages: 0 kB

FilePmdMapped: 0 kB

CmaTotal: 0 kB

CmaFree: 0 kB

Unaccepted: 0 kB

HugePages\_Total: 0

HugePages\_Free: 0

HugePages\_Rsvd: 0

HugePages\_Surp: 0

Hugepagesize: 2048 kB

Hugetlb: 0 kB

DirectMap4k: 156472 kB

DirectMap2M: 4034560 kB

DirectMap1G: 11534336 kB

!cat /proc/cpuinfo

Filesystem Size Used Avail Use% Mounted on

overlay 79G 27G 52G 34% /

tmpfs 64M 0 64M 0% /dev

shm 5.7G 0 5.7G 0% /dev/shm

/dev/root 2.0G 1.1G 849M 57% /usr/sbin/docker-init

tmpfs 6.4G 364K 6.4G 1% /var/colab

/dev/sda1 75G 56G 20G 75% /opt/bin/.nvidia

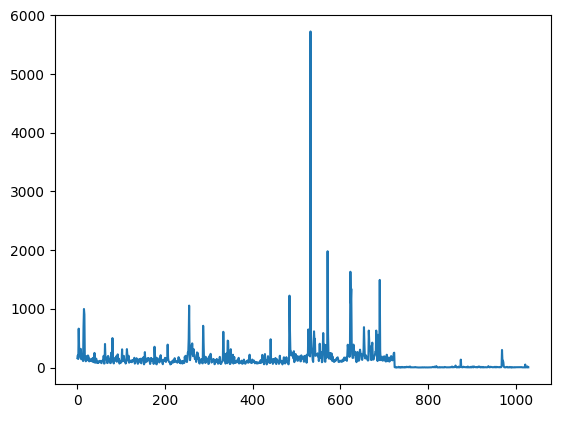
tmpfs 6.4G 0 6.4G 0% /proc/acpi

tmpfs 6.4G 0 6.4G 0% /proc/scsi

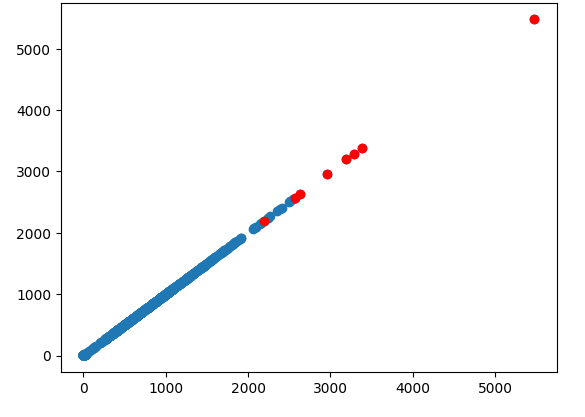
tmpfs 6.4G 0 6.4G 0% /sys/firmware

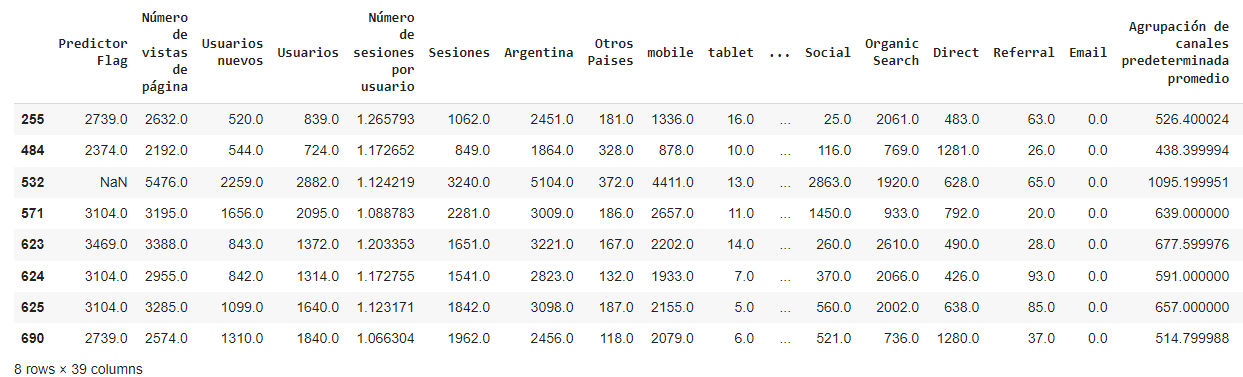
drive 15G 13G 2.4G 85% /content/drive

# Edu Unam Se probó con los datos limpios tal cual



Filtro>1000





# Edu Unam prueba 80-20 Mejor Modelo hyperband.py

Sin reentrenar  
Evaluate on test data

6/6 [==============================] - 1s 14ms/step - loss: 1.3619

test loss 1.3618983030319214

Con Reentrenamiento

Evaluate on test data

6/6 [==============================] - 0s 13ms/step - loss: 0.0227

test loss 0.02265261486172676

Mejor modelo 0.001104

La salida si varia

Revisar

# UNaM prueba 80-20 Mejor Modelo hyperband.py

Sin reentrenar

Evaluate on test data

9/9 [==============================] - 1s 16ms/step - loss: 1.3629

test loss 1.3629196882247925

Con Reentrenamiento

Evaluate on test data

Mejor modelo 0.004896