1.Elimine toda la metadata.

```
C:\Program Files\exiftool-12.93_64>exiftool "C:\Users\CDTI\Downloads\erika rocha.pdf"
ExifTool Version Number         : 12.93
File Name                       : erika rocha.pdf
Directory                       : C:/Users/CDTI/Downloads
File Size                       : 164 kB
Zone Identifier                 : Exists
File Modification Date/Time     : 2024:08:27 17:13:44-05:00
File Access Date/Time           : 2024:08:28 14:26:54-05:00
File Creation Date/Time         : 2024:08:27 17:13:43-05:00
File Permissions                : -rw-rw-rw-
File Type                       : PDF
File Type Extension             : pdf
MIME Type                       : application/pdf
PDF Version                     : 1.5
Linearized                      : No
Page Count                      : 6
Page Mode                       : UseOutlines
Creator                         : Smart Touch 1.7
Subject                         :
Author                          :
Title                           : ├ |¥e
Create Date                     : 2023:03:23 10:53:25-05:00
Modify Date                     : 2023:03:23 10:53:25
Producer                        : Kodak Alaris Inc.
Build                           : FyTek's PDF Meld Commercial Version 10.4 as of September 13, 2013 19:49:29
```

```
C:\Program Files\exiftool-12.93_64>exiftool -all= "C:\Users\CDTI\Downloads\erika rocha.pdf"
Warning: [minor] ExifTool PDF edits are reversible. Deleted tags may be recovered! - C:/Users/CDTI/Downloads/erika ro
cha.pdf
    1 image files updated

C:\Program Files\exiftool-12.93_64>exiftool "C:\Users\CDTI\Downloads\erika rocha.pdf"
ExifTool Version Number         : 12.93
File Name                       : erika rocha.pdf
Directory                       : C:/Users/CDTI/Downloads
File Size                       : 165 kB
File Modification Date/Time     : 2024:08:28 14:39:35-05:00
File Access Date/Time           : 2024:08:28 14:39:36-05:00
File Creation Date/Time         : 2024:08:27 17:13:43-05:00
File Permissions                : -rw-rw-rw-
File Type                       : PDF
File Type Extension             : pdf
MIME Type                       : application/pdf
PDF Version                     : 1.5
Linearized                      : No
Page Count                      : 6
Page Mode                       : UseOutlines
```
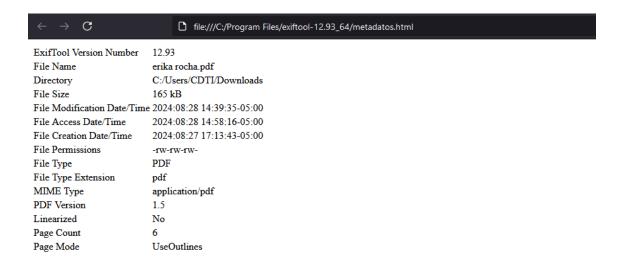
2.Guarde la metadata en diferentes formatos (HTML, txt y svc) para su futuro análisis.

```
C:\Program Files\exiftool-12.93_64>exiftool -HTMLFormat "C:\Users\CDTI\Downloads\erika rocha.pdf" > metadatos.html

C:\Program Files\exiftool-12.93_64>
```

ExifTool Version Number	12.93
File Name	erika rocha.pdf
Directory	C:/Users/CDTI/Downloads
File Size	165 kB
File Modification Date/Time	2024:08:28 14:39:35-05:00
File Access Date/Time	2024:08:28 14:58:16-05:00
File Creation Date/Time	2024:08:27 17:13:43-05:00
File Permissions	-rw-rw-rw-
File Type	PDF
File Type Extension	pdf
MIME Type	application/pdf
PDF Version	1.5
Linearized	No
Page Count	6
Page Mode	UseOutlines

3.Modifique los datos de geo-posición con las coordenadas del Planetario de Bogotá

```
Seleccionar Administrador: Símbolo del sistema                              — ☐ ✕

    1 files weren't updated due to errors
C:\Program Files\exiftool-12.93_64>exiftool -GPSLatitude=4.6139 -GPSLongitude=-74.0705 -GPSLatitudeRef=N -GPSLongitudeRe
f=W "C:\Users\CDTI\Downloads\erika rocha.pdf"
    1 image files updated

C:\Program Files\exiftool-12.93_64>exiftool "C:\Users\CDTI\Downloads\erika rocha.pdf"
ExifTool Version Number         : 12.93
File Name                       : erika rocha.pdf
Directory                       : C:/Users/CDTI/Downloads
File Size                       : 168 kB
File Modification Date/Time     : 2024:08:28 15:14:42-05:00
File Access Date/Time           : 2024:08:28 15:14:45-05:00
File Creation Date/Time         : 2024:08:27 17:13:43-05:00
File Permissions                : -rw-rw-rw-
File Type                       : PDF
File Type Extension             : pdf
MIME Type                       : application/pdf
PDF Version                     : 1.5
Linearized                      : No
Page Count                      : 6
Page Mode                       : UseOutlines
XMP Toolkit                     : Image::ExifTool 12.93
GPS Latitude                    : 4 deg 36' 50.04" N
GPS Longitude                   : 74 deg 4' 13.80" W
GPS Latitude Ref                : North
GPS Longitude Ref               : West
GPS Position                    : 4 deg 36' 50.04" N, 74 deg 4' 13.80" W

C:\Program Files\exiftool-12.93_64>
```

4.Cambie el copyrigth como propiedad para el Pato Donald.

```
    1 files weren't updated due to errors

C:\Program Files\exiftool-12.93_64>exiftool -Copyright="Pato Donald" -r "C:\Users\CDTI\Downloads\erika roch
    1 image files updated

C:\Program Files\exiftool-12.93_64>exiftool "C:\Users\CDTI\Downloads\erika rocha.pdf"
ExifTool Version Number         : 12.93
File Name                       : erika rocha.pdf
Directory                       : C:/Users/CDTI/Downloads
File Size                       : 168 kB
File Modification Date/Time     : 2024:08:28 15:17:20-05:00
File Access Date/Time           : 2024:08:28 15:17:22-05:00
File Creation Date/Time         : 2024:08:27 17:13:43-05:00
File Permissions                : -rw-rw-rw-
File Type                       : PDF
File Type Extension             : pdf
MIME Type                       : application/pdf
PDF Version                     : 1.5
Linearized                      : No
Page Count                      : 6
Page Mode                       : UseOutlines
XMP Toolkit                     : Image::ExifTool 12.93
GPS Latitude                    : 4 deg 36' 50.04" N
GPS Longitude                   : 74 deg 4' 13.80" W
Copyright                       : Pato Donald
GPS Latitude Ref                : North
GPS Longitude Ref               : West
GPS Position                    : 4 deg 36' 50.04" N, 74 deg 4' 13.80" W

C:\Program Files\exiftool-12.93_64>
```

5.Investigue como extraer la miniatura de una imagen (esto debe estar habilitado en la captura de la misma, caso contrario no es posible).

```
C:\Program Files\exiftool-12.93_64>exiftool -b -ThumbnailImage  "C:\Users\CDTI\Downloads\descarga.jfif"

C:\Program Files\exiftool-12.93_64>
```