Run

```
In[•]:= $AlbumDirectory = "C:\\drorbn\\Album\\2026.11.08_Katoomba_Ride";
```

```
In[•]:= res = 800;
fs = FileNames[$AlbumDirectory <> "/*.gpx"];
fs = Complement[fs,
  Union[
   StringReplace[{"@.gpx" → ".gpx", "@.kml" → ".kml"}] /@
    Select[fs, StringPart[#, -5] == "@" &]
  ]
 ]
data = DeleteCases[
   Union@Table["Geometry" /. Import[f, "Data"], {f, fs}],
   GeoPosition[{_, None}], ∞
  ];
BruceData =
  Union["Geometry" /. Import[$AlbumDirectory <> "/../Summaries/Bruce_Trail.gpx", "Data"]];
map0 = GeoGraphics[{Red, data}, GeoScaleBar → "Kilometers", ImageSize → res];
AllTracks = Get["C:\\drorbn\\Album/Summaries/AllTracks.m"];
```

```
In[•]:= Rasterize[
 map = GeoGraphics[{Thickness[0.001], Purple, BruceData,
    Thickness[0.0016], Blue, AllTracks, Thickness[0.0024], Red, data},
   GeoScaleBar → "Kilometers",
   ImageSize → res,
   GeoRange → (GeoRange /. Options[map0])
  ],
 RasterSize → res
]
Export[$AlbumDirectory <> "/Path%.png", map];
```

```
In[•]:= map3D = Echo@ResourceFunction["GeoElevationGraphics3D"][
   {Purple, BruceData, Thick, Blue, AllTracks, Red, data},
   GeoGridRangePadding → 0,
   GeoScaleBar → "Kilometers",
   ImageSize → res,
   GeoRange → (GeoRange /. Options[map0])
  ]
Export[$AlbumDirectory <> "/Path3D.png", map3D]
```

```
In[•]:= PathsLocation = Module[{R = 3000, r = 30, n = 6, res = 1000},
  ImageAssemble[
   Partition[#, 3] &@Table[
     Rasterize[
      GeoGraphics[{Thickness[(2 n - k) / 6000], Purple, BruceData,
        Thickness[(2 n - k) / 4000], Blue, AllTracks, Red, Thickness[(2 n - k) / 1500], data},
       GeoCenter → Mean@Cases[data, GeoPosition[l_List] :> Mean[l], ∞] ,
       GeoRange → Quantity[R (r / R)^((k-1)/(n-1)), "Kilometers"],
       GeoScaleBar → "Kilometers",
       ImageSize → res
      ],
      RasterSize → res
     ],
     {k, n}],
   "Fit", Background → White]
 ]
Export[$AlbumDirectory <> "/PathsLocation.png", PathsLocation]
```

Hotels

```
In[•]:= hotels = ImageResize[Import[#], {1000}] & /@ FileNames[$AlbumDirectory <> "/Hotels/*.jpg"];
len = Length[hotels]
collage = ImageCrop@ImageCollage[hotels, "Fit", Background → White, ImagePadding → 2]
Export[$AlbumDirectory <> "/PaHotels.jpg", collage]
```

Map with photo thumbnails

```
(Alt) In[•]:=
imgs = FileNames["*.jpg", $AlbumDirectory];
map = GeoGraphics[{
    GeoMarker[
        GeoPosition[{1, -1} *
          Lookup[Lookup[Import[#, "Exif"], "GPSInfo"], {"GPSLatitude", "GPSLongitude"}]],
        Graphics@Rasterize[Import[#], RasterSize → res],
        "Scale" → 0.0075
       ] & /@ imgs,
    Thickness[0.0016], Purple, BruceData, Blue, AllTracks, Thickness[0.0024], Red, data
   },
  GeoScaleBar → "Kilometers",
  ImageSize → res,
  GeoRange → (GeoRange /. Options[map0])
 ]
Export[$AlbumDirectory <> "/PathWithImages.png", map]
```

Image Directory

```
If[Head[PensieveDirectives] === List,
  ImageComments = "ImageComments" /. PensieveDirectives, ImageComments = {}];
(Interpretation[ImageResize[Import@#, 400], #] → (# /. ImageComments /. (# → "")) ) & /@
 FileNames["*.jpg" | "*.jpeg" | "*.png" | "*.mp4", $AlbumDirectory]
```

Export

In[•]:=
```
68.1 + 0.87 + 3.9 - 0.4 * 2 - 0.1 - 0.5
```

Out[•]=

71.47

In[•]:=
```
1750 + -14 * 2 - 179 + 14 + 28
```

Out[•]=

1585

From Emu Plains, a faraway suburb of Sydney, to Katoomba in the Blue Mountains. 71.5km with 1,585m of climbs riding Bromp (plus 3 cable car rides and one funicular ride, the steepest in the world!). A great day!

```
PensieveDirectives = {
  "TitleNotes" →
   "From Emu Plains, a faraway suburb of Sydney, to Katoomba in the Blue Mountains.
     71.5km with 1,585m of climbs riding <a
     href=../Equipment/Bromp/index.html>Bromp</a> (plus 3 cable car rides
     and one funicular ride, the steepest in the world!). A great day!",
  "ImageComments" → {}
}
```