

# YOUTUBE REVENUE VISUALIZE SYSTEM

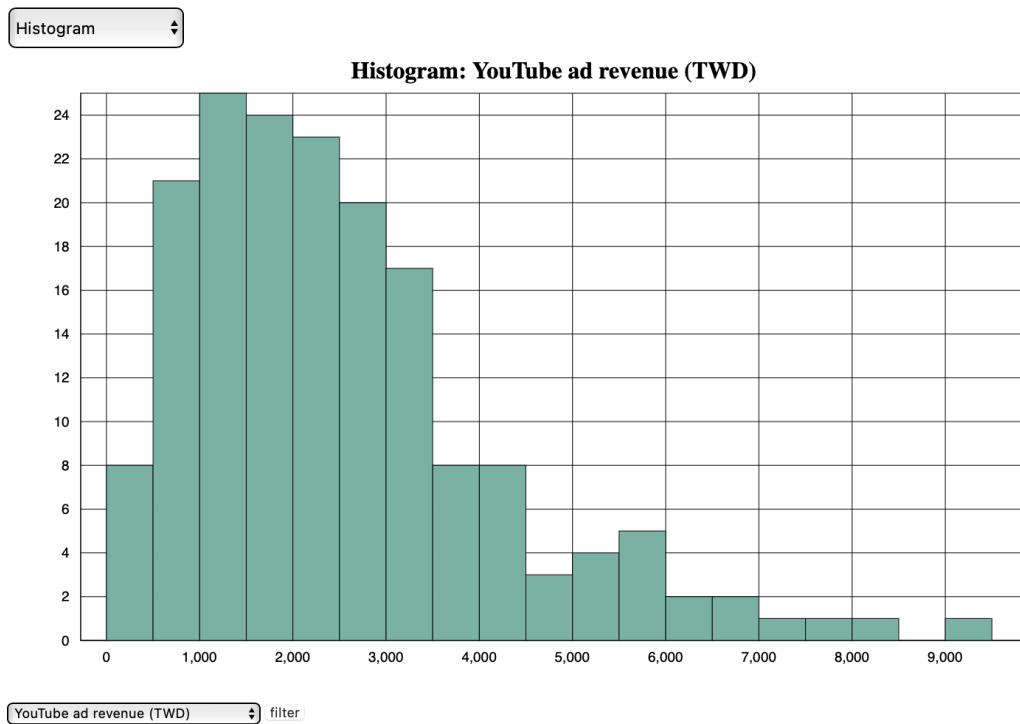
--Select Figure--

# YouTube Revenue Visualize System

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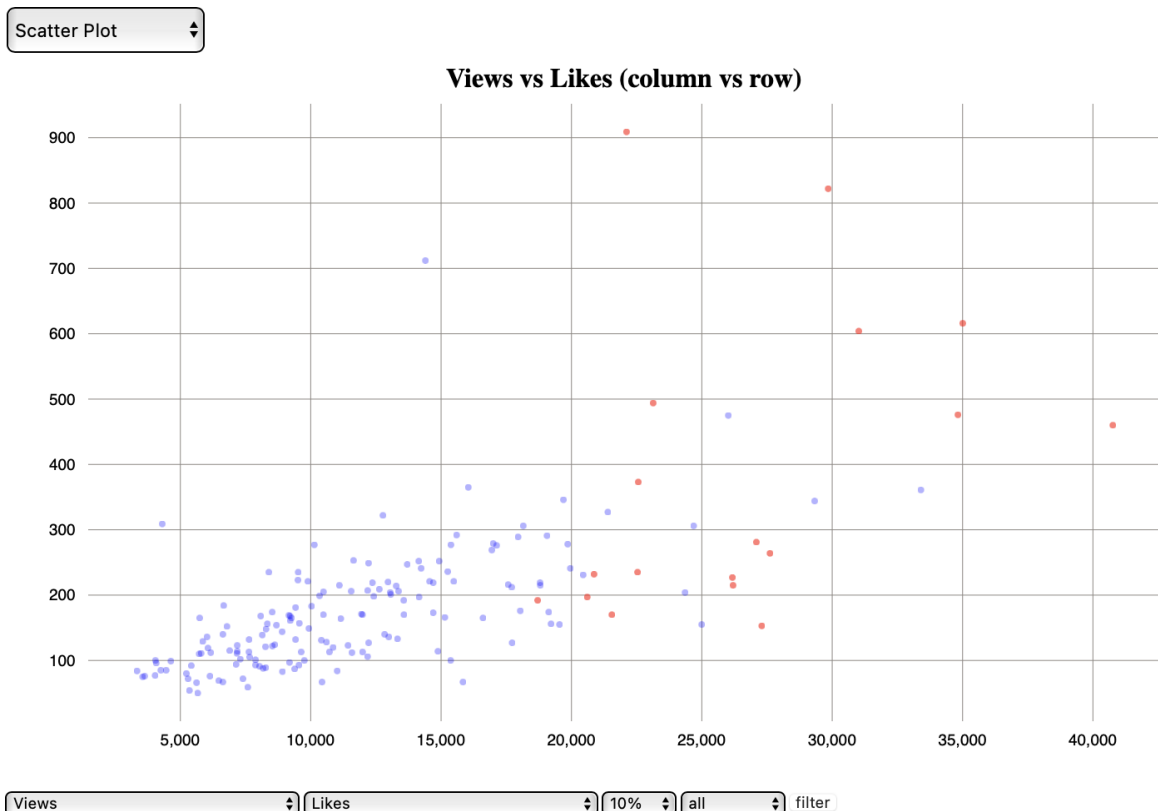
demo page: [https://jerryyyy708.github.io/YT\\_Revenue\\_Visualize/](https://jerryyyy708.github.io/YT_Revenue_Visualize/)

# Histogram



Histogram 可以了解特定attribute的資料分布。

## Scatter Plot



Scatter Plot 除了可以從下方左邊兩個選單選擇兩種 attribute 觀察分布的基本功能外，可根據影片收益高低(Yt ad Revenue) 做色彩的強調，於左邊第三個選單選擇比例，並且在左邊第四個選單選擇 top mode，可以隱藏低收益的點，用以觀察高收益的影片具備的特徵。

--select attribute--	--select attribute--		
Average percentage viewed (%)	Average percentage viewed (%)		
Average view duration (min)	Average view duration (min)		
Comments added	Comments added		
Dislikes	Dislikes		
Impressions	Impressions	10%	
Impressions click-through rate (%)	Impressions click-through rate (%)	20%	
Likes	Likes	30%	
Likes (vs. dislikes) (%)	Likes (vs. dislikes) (%)	40%	
Shares	Shares	50%	
Subscribers	Subscribers	60%	
Subscribers gained	Subscribers gained	70%	
Subscribers lost	Subscribers lost	80%	
Views	Views	90%	--mode--
Watch time (hours)	Watch time (hours)	100%	all
YouTube ad revenue (TWD)	YouTube ad revenue (TWD)		top
Views	Likes	10%	all

Attribute 1

Attribute 2

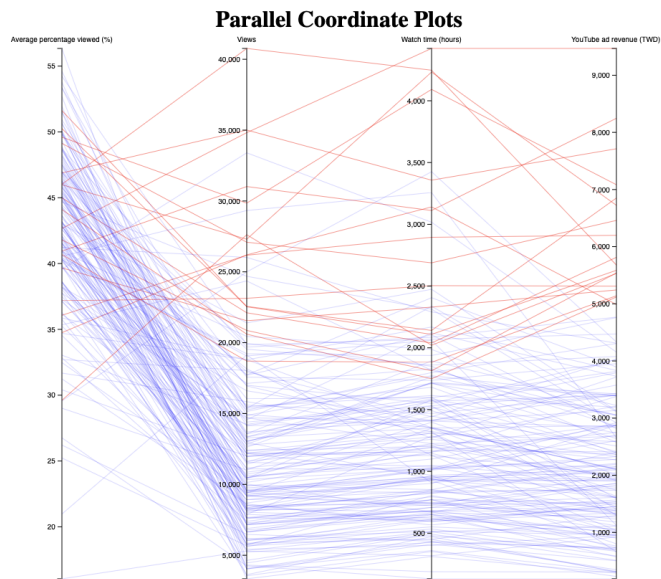
Rank

Plot mode

- Attribute1, 2: Scatter plot 的 x,y 軸。
- Rank: YT廣告營收排名前 x% 的點會以紅色顯示，其餘則以藍色顯示。
- Plot mode: 選擇 top 只顯示紅色點(排名前 x%)，選擇 all 顯示全部點。

# Parrellel Coordinate Plot

Parallel Coordinate



Average percentage viewed (%) Views Watch time (hours) YouTube ad revenue (TWD) 10% all filter

Parrellel Coordinate Plot 除了可以透過四個下拉式選單來觀察影片的各 attribute 間的關係外，也新增了根據 popularity 排名顯示的功能，可以篩選出排名靠前的影片，找出最熱門影片的特徵。

--select attribute--	--select attribute--	--select attribute--	--select attribute--		
Average percentage viewed (%)	Average percentage viewed (%)	Average percentage viewed (%)	Average percentage viewed (%)	10%	--mode-- all top
Average view duration (min)	Average view duration (min)	Average view duration (min)	Average view duration (min)	20%	
Comments added	Comments added	Comments added	Comments added	30%	
Dislikes	Dislikes	Dislikes	Dislikes	40%	
Impressions	Impressions	Impressions	Impressions	50%	
Impressions click-through rate (%)	Impressions click-through rate (%)	Impressions click-through rate (%)	Impressions click-through rate (%)	60%	
Likes	Likes	Likes	Likes	70%	
Likes (vs. dislikes) (%)	Likes (vs. dislikes) (%)	Likes (vs. dislikes) (%)	Likes (vs. dislikes) (%)	80%	
Shares	Shares	Shares	Shares	90%	
Subscribers	Subscribers	Subscribers	Subscribers	100%	
Subscribers gained	Subscribers gained	Subscribers gained	Subscribers gained		
Subscribers lost	Subscribers lost	Subscribers lost	Subscribers lost		
Views	Views	Views	Views		
Watch time (hours)	Watch time (hours)	Watch time (hours)	Watch time (hours)		
YouTube ad revenue (TWD)	YouTube ad revenue (TWD)	YouTube ad revenue (TWD)	YouTube ad revenue (TWD)		
Average percentage viewed (%)	Likes (vs. dislikes) (%)	Shares	Subscribers	10%	all

Attribute 1

Attribute 2

Attribute 3

Attribute 4

Rank Plot mode

Attributes: x 軸的四個 attribute

Rank: YT廣告營收排名前 x% 的点會以紅色顯示，其餘則以藍色顯示。

Plot mode: 選擇 top 只顯示紅色點連線(排名前 x%)，選擇 all 顯示全部點連線。