

ADIO: 數位影像技術知識圖

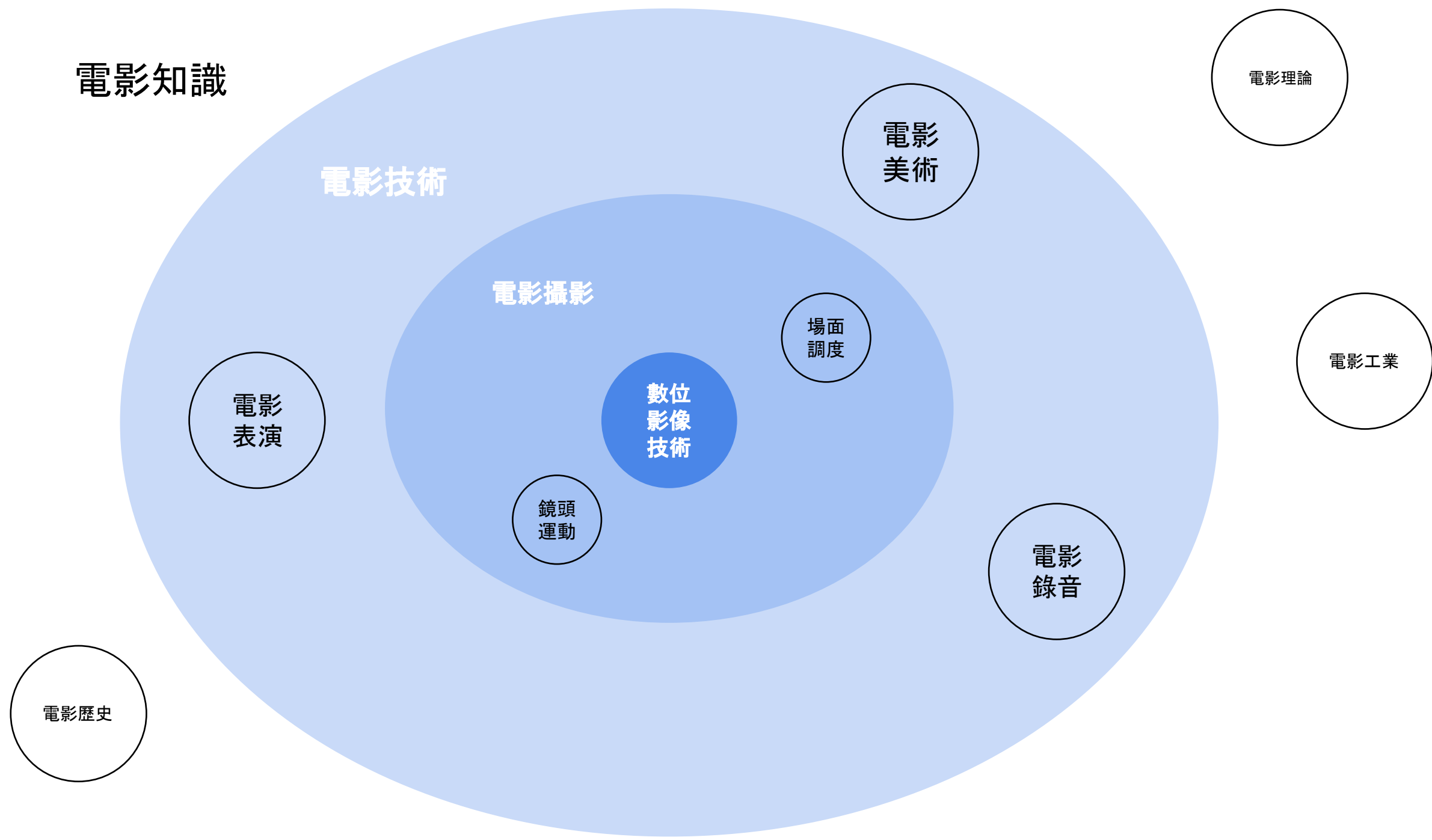
可以廣泛使用的Ontology

整理個人電影相關經歷

專注「Digital Imaging」

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電影知識



電影歷史

知識

訊號處理

感光元件

色彩濾鏡

技術

編碼

解析度

色彩空間

伽馬曲線

具體物件

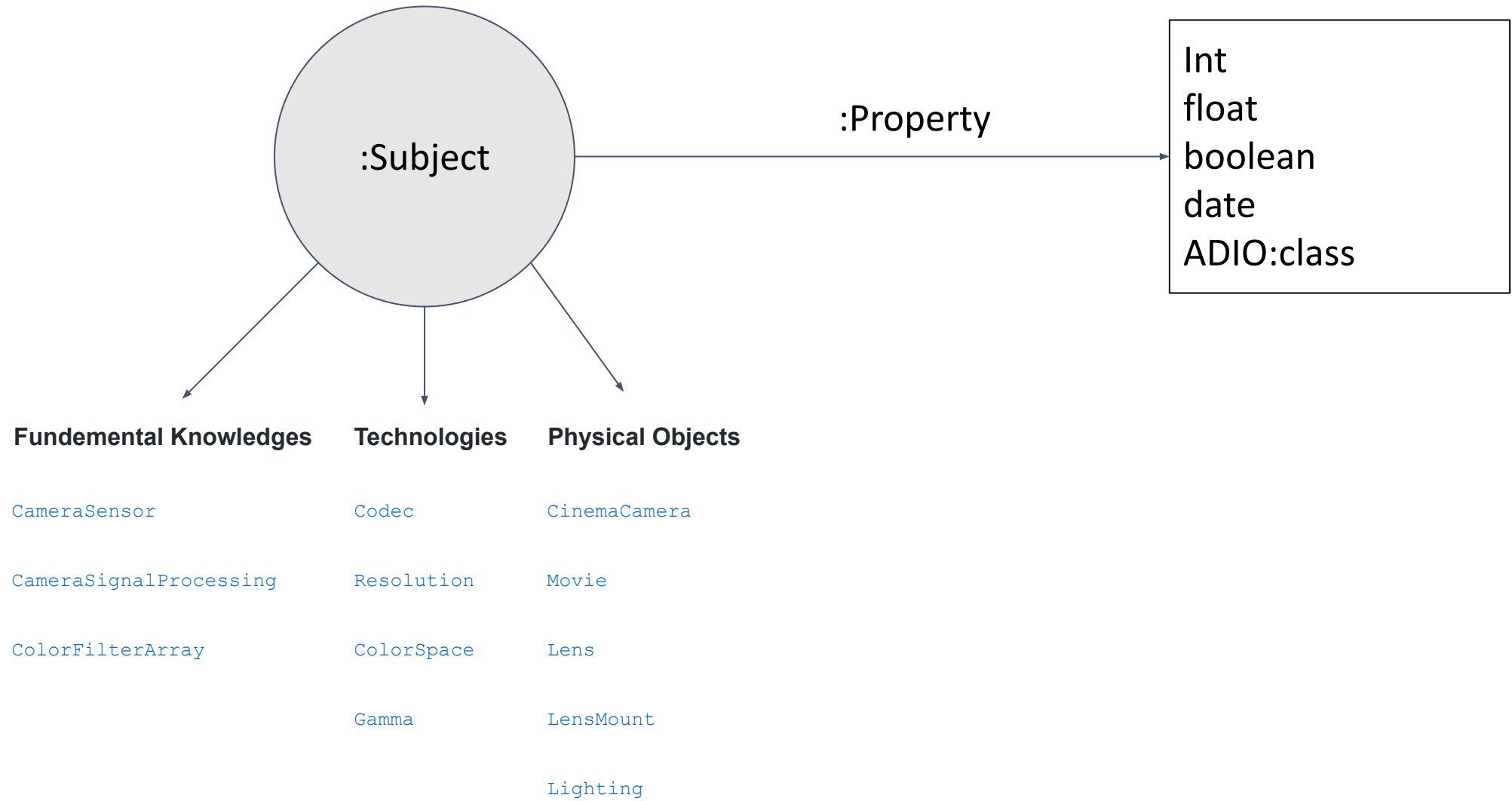
攝影機

燈光

鏡頭

影像作品

鏡頭接環



CinemaCamera
Camera used in cinema production.

Property Name	Expected Type	Description
Manufacturer	xsd:string	The company making the camera.
Model	xsd:string	The specific model of the camera.
ReleaseYear	xsd:gYear	The date on which camera is being released.
Sensor	:CameraSensor	The part of camera which transform light rays into electronic signals.
SignalProcessingType	:CameraSignalProcessing	Knowledge regarding the how camera output image signals.
MaxFramerate	xsd:int	Max possible frame per second recorded with the maxium resolution.
MaxDataRate	xsd:int	Maxium possible data rate of the image recorded.
Codec	:Codec	The method of which image is being recorded and encoded as digital files.
LensMount	:LensMount	The mount connecting cameras and lenses.
NativeISO	xsd:int	Base ISO of which the camera has maximum dynamic range.
DynamicRange	xsd:int	Range of luminance of which the camera is capable of recording.(in stops)
ColorSpace	:ColorSpace	The volumn of color of which the image is capable of displaying.
Gamma	:Gamma	The way luminance in real world converted to luminance level on the image.

SPARQL查詢

```
#Find all objects made by ARRI
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX : <http://alexdigitalimagingontology.com/>

SELECT ?s ?m
WHERE {
    ?s :Manufacturer ?m .

    FILTER(?m="ARRI")
}
```

s	m
http://alexdigitalimagingontology.com/ALEVIII	ARRI
http://alexdigitalimagingontology.com/ALEXA_MINI	ARRI
http://alexdigitalimagingontology.com/M18	ARRI
http://alexdigitalimagingontology.com/M40	ARRI
http://alexdigitalimagingontology.com/PL	ARRI

SPARQL查詢

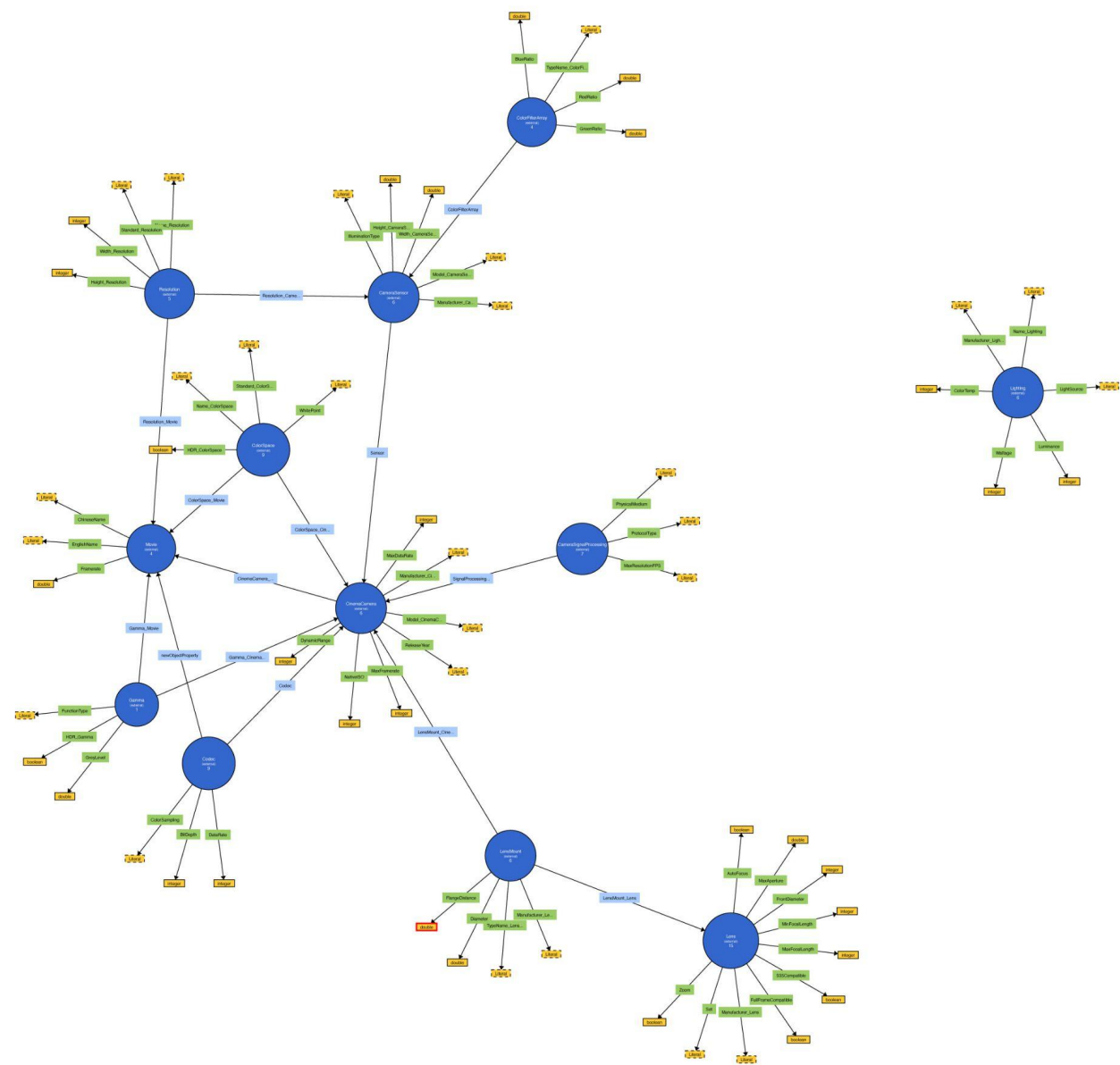
[Blaze Endpoint](#)

```
#All the compatible lenses for each cinema cameras.
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX : <http://alexdigitalimagingontology.com/>

SELECT DISTINCT ?cam ?width ?s1
WHERE {
    ?s1 a :Lens ;
        :FullFrameCompatible ?f ;
        :S35Compatible ?s35c .
    ?s2 a :CinemaCamera ;
        :Model ?cam ;
        :Sensor ?sensor .
    ?s3 a :CameraSensor ;
        :Width ?width.
    FILTER((?sensor=?s3 && ?width>=36 && ?f=true) || (?sensor=?s3 && ?width<36 && ?s35c=true))
} ORDER BY ASC (?cam)
```

視覺呈現

[WebVOWL](#)



External Vocabulary

xsd:int: 所有整數的參數

xsd:float: 非整數的參數

xsd:boolean: 是否具有「某項功能/特質」

xsd:string: 廠商/名字/非結構化的參數

xsd:gYear: 發佈年份