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運用LaDeco 進行都市熱環境分析

Landscape and Urban Planning 232 (2023) 104679

Contents lists available at ScienceDirect

Landscape and Urban Planning

journal homepage: www.elsevier.com/locate/landurbplan

Quantification through deep learning of sky view factor and greenery on urban streets during hot and cool seasons

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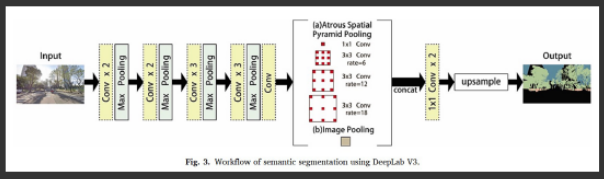

Fig. 3. Workflow of semantic segmentation using DeepLab V3.

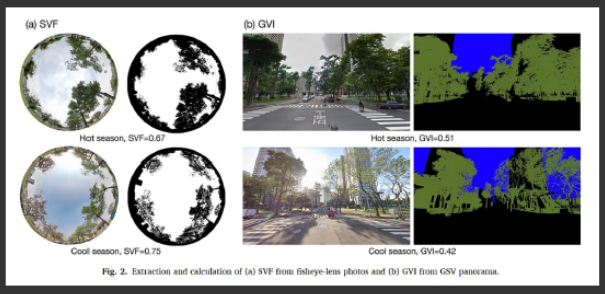

Fig. 2. Extraction and calculation of (a) SVF from fisheye-lens photos and (b) GVI from GSV panorama.

Table 2
Correlation analysis between deep learning and manual classification (n = 525).

	Sky	Green plants	SVF	GVI
Sky	1.000	-0.127**	0.791***	0.059
Green plants	-0.144**	1.000	0.075	0.776***
SVF	0.772***	0.063	1.000	0.085
GVI	0.072	0.761***	0.093*	1.000

Note. Red-colored cells represent the hot season, and blue-colored cells represent the cool season. Deep learning: sky and green plants. Manual classification: SVF and GVI. *$p < 0.05$; **$p < 0.01$; ***$p < 0.001$.

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