



## **TOUROMETER:** A tool to support social sustainability of tourism

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**Leading Hospitality and Tourism** 



### **Undesirable Social Effects of Tourism**

- Cultural conflicts between tourists and locals
- Excessive use of public resources
- Disturbing the ways of life for local residents
- Social sustainability requires significant efforts to balance +/- and benefit local communities

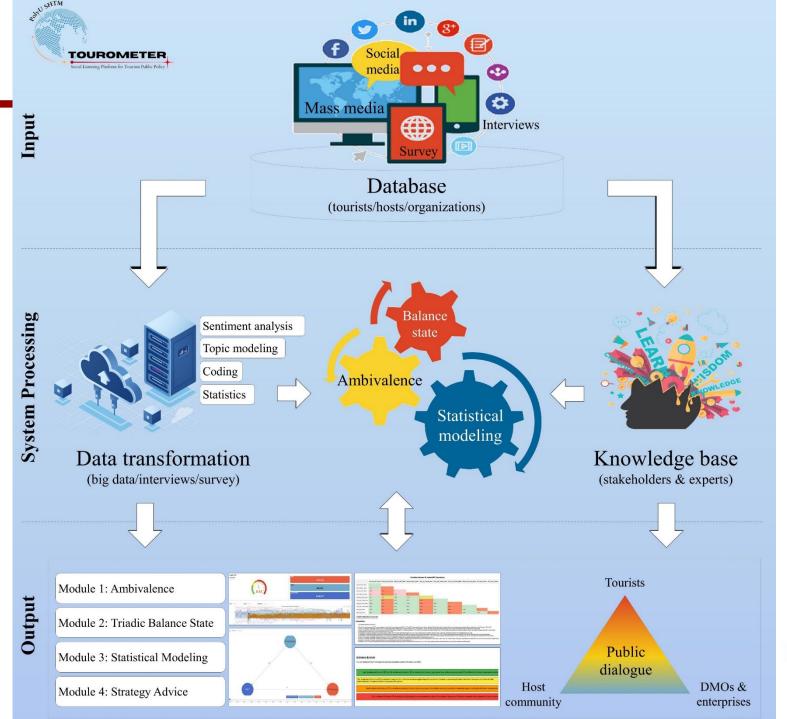
















### TOUROMETER

- Module I: Dispositions and ambivalence
- Module II: Triadic balance state of sentiment
- Module III: Statistical modelling (among dispositions, economy, environment, tourism, and quality of life)
- Module IV: Ambivalence Barometer and corresponding policy suggestions

Target users: policymakers, DMOs and industry practitioners

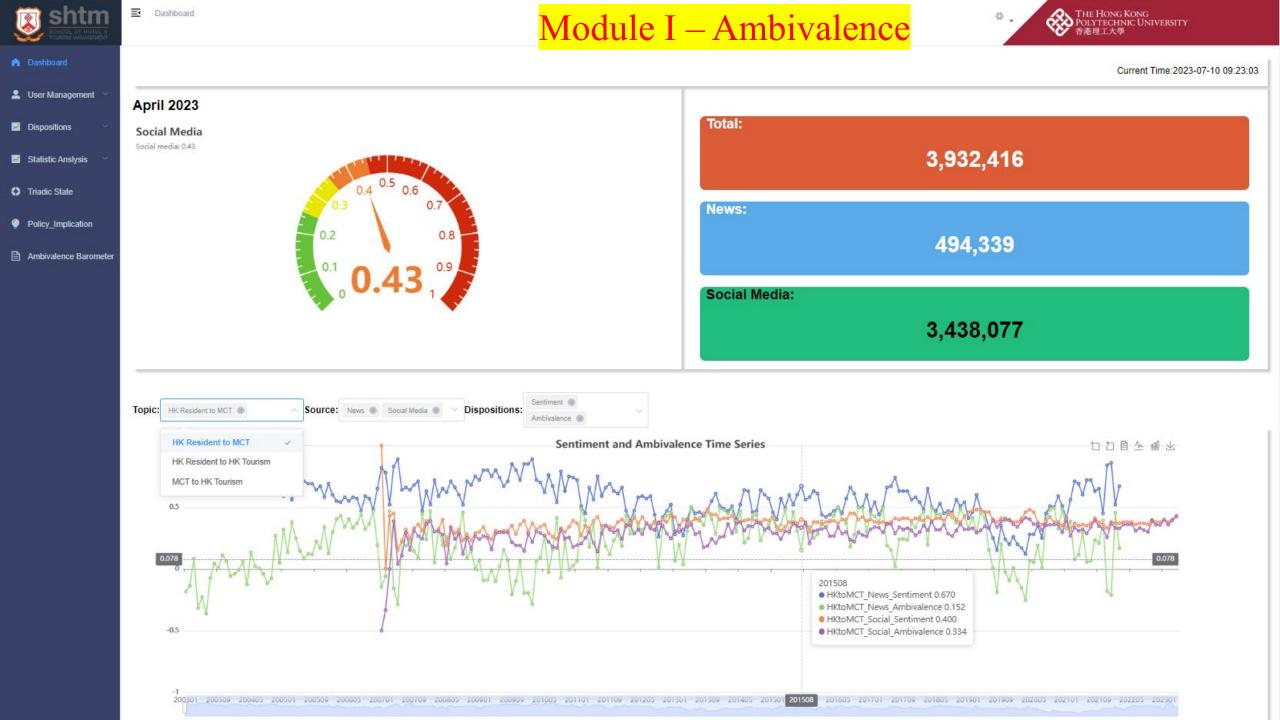














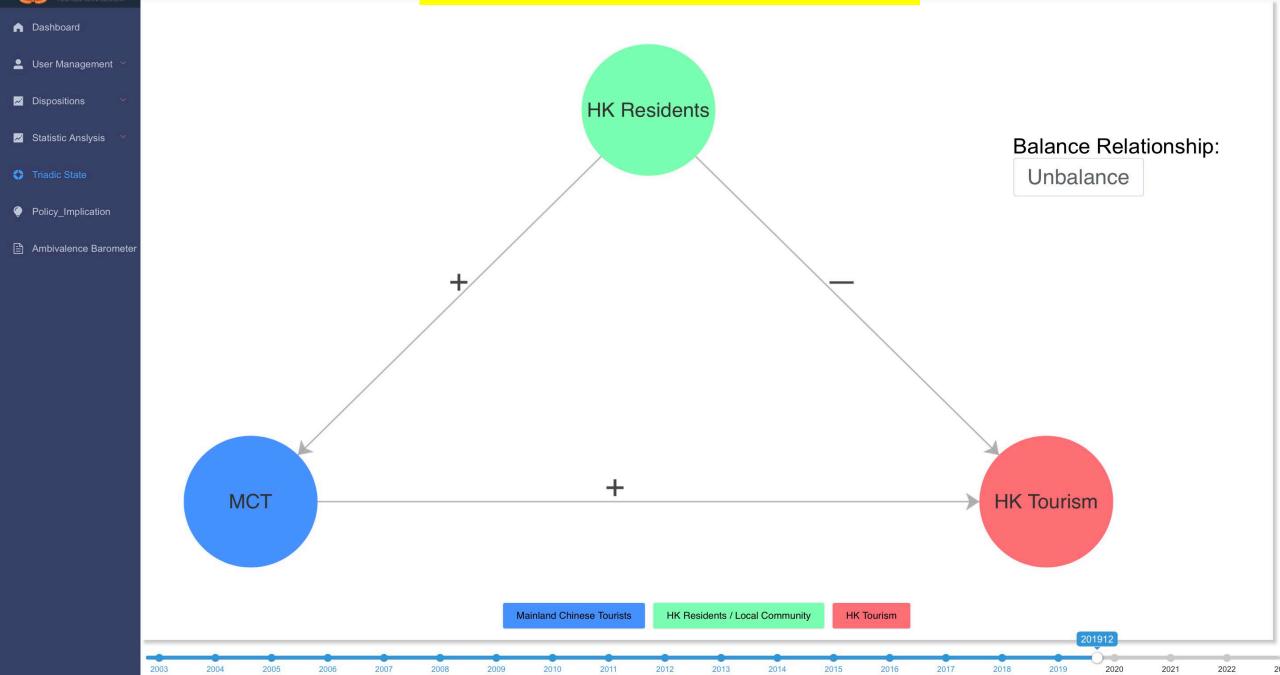


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### Module II -- Triadic balance state







### Module III – Statistical modelling

#### nashboard

#### User Management

Dispositions

#### Statistic Anslysis

<del>ल</del> с	orrelation ^
	Dispositions
Ē	Economy
Ē	Environment
	Tourism
Ē	Quality of Life
	Notes

Regression

Triadic State

Policy Implication

Ambivalence Barometer

Nonlinear Regressi

Multiple regression

\*\*. Correlation is significant at the 0.01 level (2-tailed).

Correlation is significant at the 0.05 level (2-tailed).

#### Interpretation:

1. HK residents' disposition towards MCT

(1) News: HK residents' sentiment of MCT has strong negative correlation with their ambivalence toward MCT (r=-.715, p<.000). The more positive the value, the less ambivalent. Similarly, HK residents' sentiment of HK tourism is strongly negatively correlated with their ambivalence toward HK tourism (r=-.961, p<.000).

(2) News vs. Social Media: HK residents' sentiment of MCT on news has strong negative correlation with HK residents' sentiment of MCT on social media (r=-.830, p<.000). The more positive HK residents' sentiment of MCT on news, the more negative their sentiment of MCT on social media.

(3) News: HK residents' sentiment of MCT has strong positive correlation with HK residents' sentiment of HK tourism development (r=.788, p<.000). The more positive HK residents' sentiment of MCT, the more positive their sentiment of HK tourism development. Similarly, HK residents' ambivalence toward MCT is also positively correlated with their ambivalence toward HK tourism development (r=.612, p<.004).

(4) Social Media: HK residents' sentiment of MCT has strong positive correlation with HK residents' ambivalence toward MCT (r=.705, p<.002). The more positive HK residents' sentiment of MCT, the more their ambivalence toward MCT. This is different from the news result.

(5) Social Media: HK residents' ambivalence toward MCT on social media has strong positive correation with HK residents' ambivalence toward HK tourism development on social media (r=.688, p<.002). The more HK residents' ambivalence toward MCT, the more their ambivalence toward HK tourism development.

(6) Social Media vs. News: HK residents' sentiment of MCT on social media has strong negative correlation with HK residents' sentiment of tourism development on news (r=-.830, p<.000). The more positive HK residents' sentiment of tourism development on news, the more negative their sentiment of MCT on social media.

(7) News vs. Social Media: HK residents' ambivalence toward MCT on news is not significantly correlated with HK residents' ambivalence toward MCT on social media (r=.332, p>.2).

(8) News vs. Social Media: HK residents' ambivalence toward HK tourism development on news is positively correlated with their ambivalence toward HK tourism development on social media (r=.756, p<.001). The more HK residents' ambivalence toward HK tourism development on news, the more their ambivalence toward HK tourism development on news, the more their ambivalence toward HK tourism development on social media. They show consistent ambivalence toward HK tourism development on both social media and news.

(9) Residents vs. MCT: HK residents' sentiment of HK tourism on social media has negative relationship with MCTs' ambivalence toward HK tourism (r=-.522, p<.05). The more positive residents' sentiment of HK tourism, the less MCTs' ambivalence toward HK tourism.

#### Correlation between HK resident-MCT dispositions

	Resi_Sen_MCT_News	Resi_Amb_MCT_News	Resi_Sen_MCT_Media	Resi_Amb_MCT_Media	Resi_Sen_Tourism_News	Resi_Amb_Tourism_News	Resi_Sen_Tourism_Media	Resi_Amb_Touris
Resi_Sen_MCT_News	1							
Resi_Amb_MCT_News	715**	1						
Resi_Sen_MCT_Media	830**	.658**	1					
Resi_Amb_MCT_Media	611*	0.332	.705**	1				
Resi_Sen_Tourism_News	.788*	492*"	830**	723**	1			
Resi_Amb_Tourism_News	755**	.612**	.859**	.633**	961**	1		
Resi_Sen_Tourism_Media	-0.308**	.571**	0.449**	0.196**	-0.297**	0.3521	1	
Resi_Amb_Tourism_Media	596*	.509*	.821**	.688**	759**	.756**	.499*	1
MCT_Sen_Tourism	580*	0.378	.618**	.690**	811**	.764**	0.388	.749**1
MCT_Amb_Tourism	.532*	-0.430	-0.477**	-0.382	.647**	646**	522*	558*

Dashboard / Statistic /

### Module IV – Strategy advice

### **Ambivalence Barometer**



Statistic Anslysis

Policy\_Implication

Triadic State

April 2023 Social media: 0.43 Amber



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A: the ambivalence value

 $0.35 \le A \le 0.44$ 

 $A \ge 0.45$ 

Green: Activities can be organized to attract MCTs and facilitate the healthy interaction between residents and visitors

**Yellow:** Improve the quality of tourism product offerings, better organize tourist activities, and facilitate residents' understanding of the importance of tourism to encourage more positive expressions

**Amber:** Address residents' concerns through tourism policies or communication campaigns to avoid potential conflicts between residents and tourists

**Red:** Take immediate actions to address social tensions

Amber

Red







# Thank you!

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