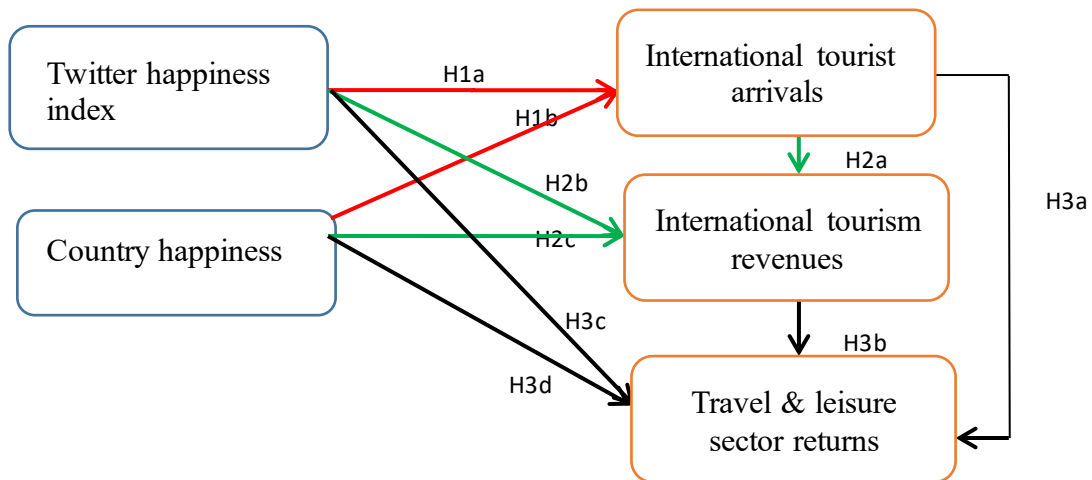


## Appendix

See Figure A1, Table A1 to Table A3.



**Figure A1.** Research concept

**Table A1.** List of variables

Variable	Definition and source
<i>Dependent variables</i>	
ARR	International inbound tourists (overnight visitors) are the yearly number of tourists who travel to a country other than that in which they have their usual residence (from World Bank database).
REV	Revenues (% of total exports) calculated as a ratio to exports of goods and services. International tourism receipts are expenditures by international inbound visitors, including payments to national carriers for international transport and any other pre-payments made for goods or services received in the destination country (from World Bank database).
SR	Yearly travel & leisure sector returns are calculated by $(P_t - P_{t-1})/P_{t-1}$ . $P_t$ is yearly sector closing prices (from the DataStream database).
<i>Independent variables</i>	
<i>Ten country happiness indices (yearly data from World Happiness Report, <a href="http://worldhappiness.report/ed/2019/">http://worldhappiness.report/ed/2019/</a>)</i>	
LL	Life ladder. Imagine a ladder with steps numbered from 0 at the bottom to 10 at the top. On which step of the ladder would you say you personally feel you stand at this time. The measure is referred to as the Cantril life ladder.
GDP	Log GDP per capita of the country
SS	Social support in the country
HLE	Healthy life expectancy at birth in the country is constructed based on data from the World Health Organization (WHO) and World Development Indicators (WDI)
FLC	Freedom to make life choices in the country
GEN	Generosity in the country
PER	Perceived absence of corruption in the country; an increase means relative improvement in governance quality
NEG	Negative effect in the country is defined as the average of previous-day effect measures for worry, sadness, and anger for all waves
CON	Confidence in the national government of the country
DEM	Democratic quality
TH	Twitter happiness index (extracted daily data from Twitter and obtained from the website <a href="http://hedonometer.org/index.html">http://hedonometer.org/index.html</a> ). We use the data at the end date of the year as yearly data.
<i>Control variables</i>	
CPI	Consumer price index (2010 = 100) (from World Bank database).
EXG	Log of official exchange rate (LCU per US\$, period average) (from World Bank database).
FDI	Foreign direct investment, net inflows (% of GDP) (from World Bank database).
IND	Log of industrial production, constant US\$ (from World Bank database).
INF	Inflation, consumer prices (annual %) (from World Bank database).
IMP	Log of imported merchandise, customs, current US\$, millions, seasonally adjusted (from World Bank database).
OIL	Crude oil price (petroleum) ( <a href="http://oilprice.com">http://oilprice.com</a> )
UMP	Unemployment, total (% of total labor force) (from World Bank database).

**Table A2.** List of sampled countries

Afghanistan	Chad	Greece	Latvia	Panama	Sweden
Albania	Chile	Guatemala	Lebanon	Paraguay	Switzerland
Argentina	China	Haiti	Lithuania	Peru	Taiwan
Armenia	Colombia	Honduras	Madagascar	Philippines	Tajikistan
Australia	Congo	Hong Kong	Malawi	Poland	Tanzania
Austria	Costa Rica	Hungary	Malaysia	Portugal	Thailand
Azerbaijan	Croatia	Iceland	Mali	Romania	Turkey
Bangladesh	Cyprus	India	Mauritania	Russia	Uganda
Belarus	Czech	Indonesia	Mexico	Rwanda	Ukraine
Belgium	Denmark	Iran	Moldova	Saudi Arabia	UAE
Benin	Dominican	Iraq	Mongolia	Senegal	UK
Bolivia	Ecuador	Ireland	Montenegro	Serbia	U.S.
Bosnia and Herzegovina	Egypt	Israel	Nepal	Sierra Leone	Uruguay
Botswana	El Salvador	Italy	Netherlands	Singapore	Uzbekistan
Brazil	Estonia	Japan	New Zealand	Slovakia	Venezuela
Bulgaria	Finland	Jordan	Nicaragua	Slovenia	Vietnam
Burkina Faso	France	Kazakhstan	Niger	South Africa	Yemen
Cambodia	Georgia	Kenya	Nigeria	South Korea	Zambia
Cameroon	Germany	Kuwait	Norway	Spain	Zimbabwe
Canada	Ghana	Kyrgyzstan	Pakistan	Sri Lanka	

Notes: There are data on 156 countries in the country happiness report website. We remove those countries that do not have travel related data in the World Bank database. The above 119 countries are used in this study.

**Table A3.** Summary of the empirical results

No.	Hypothesis	Result
H1a	TH→ARR	Reject
H1b	CH→ARR	Accept
H2a	ARR→TR	Accept
H2b	TH→TR	Reject
H2c	CH→TR	Accept
H3a	ARR→SR	Reject
H3b	TR→SR	Reject
H3c	TH→SR	Accept
H3d	CH→SR	Reject
H4	Happiness (non-linear impact)→Tourism	Accept

Notes: CH (host country happiness), TH (Twitter happiness index), SR (country travel & leisure sector returns), tourism revenues (international tourism revenues as % of total exports), and ARR (log number of international inbound tourists).