

ANALYSIS OF WEATHER EFFECT ON TOURISM INDUSTRY

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Abstract:

Introduction:

Weather changes issues have stimulated and encouraged its fans to study about the weather effects regarding the fact that it has entered the daily matters of people largely. Although, the long term analysis of probable results of weather changes are focused on the biophysical factors (herbaceous cover, ice and hydrology). While social-economical systems haven't been noted except for the agricultural studies.

Keywords: tourism- tourism industry- facilities of weather

This article discusses about the effect and facilities of weather changes on tourists and first we have analyzed the weather effect on the tourism and then the psychological dimensions of the weather based investigations are analyzed. Finally, we present some appropriate methods for the investigation development and its effect on the tourism.

Tourism sensitivity about weather

Tourism is one of the economy parts who are very sensitive about the weather and it affects the demand and presentation of tourists. So according to the climatic specifications and the demand for the tourist services, facilities and limiting factors and sources must be all noted in the same level.

The connection between the weather and the tourism has different and complex shapes and its diversity depends on the tourism event poly forms and the weather effects because the weather effect is more clear in comparison with other indexes of the tourism. Although many studies have been done in this regard, but most of them are about general parts and they are not very detailed (Masterton, 1980)

These factors are important in this regard :

1. There is no Enough information regarding weather effect on tourism
2. Climatic` studies are proportionally hard
3. There is no appropriate data for the detailed studies

On the other hand, weather and tourism studies are criticized regarding innate and water criterions because in contrast to some existing studies in this regard, most of studies have some defects in spite of mentioned complexities and just climatic items are considered in most of them, ignoring other effective factors on the tourism and if they were notes a bit, their proportional importance has not been considered that much. according to the used measures in this investigation, most of them have reached to some exaggerating and unreal results because real needs and behaviors of them are rarely studies, In fact their educational value is questioned because it presents a defected comprehension of real process.

Weather changes and tourism

Although the investigation in this regard is still in the initial phase, but it is usually supposed that the climatic changes effect the tourism mostly. (Badke and Wall, 1994). Climatic changes will differ the tourist attractions and its intensity depends on the tourism type and importance and then climatic changes properties. These items are considerable in this regard :

- ⇒ Climatic changes will cause next changes in the natural sources and since many types of the tourism is based on the natural sources shapes, these changes will probably effect the tourism positively and negatively and the famous example in this regard is the possible results of water tides on the beach tourism which cause a grand part of the beach ground to go under the water.

⇒ In summer touristic areas ;(at least in average and higher latitudes) it is expected to have the better situation by the better climate because the temperature increase in the summer and the raining decrease might cause the summer to be longer and it will effects the tourism increase and tourists number positively .

⇒ On the other hand , it is expected that the winter tourisms be damaged because the high temperature of the winter will melt the snow and result in the appropriate condition for the ski tourism .

Methodology problems of investigation

this investigation has encountered many problems regarding the methodology and we point to some of them in here

⇒ Studies regarding the climate effects ,mainly using the climatic models as their job base and its causes them to accompany a great amount of the non assurance and the future modeling is the most important problem .Indefinite increase of green house gasses ,insufficient information regarding water system performance are some of the future modeling problems .On the other hand ,the inappropriate ability to separate the pace and time are some other problems .

⇒ Next problem regards the methodology of data resulted from models and one of the common methods in this regard is the use of climatic parameters average like temperature and raining and the climatic alteration will be ambiguous while using them because annual changes are mostly bigger than the average amount changes and mostly social and economical systems don't react the situation condition while they react to the climatic changes .

⇒ Next problems is about the investigation level .Mainly the climatic investigation and its effect on tourism is done in three levels (picture one) but most of the recent investigations belong with the level two and they aim to determine the effect of climatic changes in the tourism future .Most of these studies consider the effective factors in the same level except of climatic factors which is a certain negative factor in many studies regarding the climatic changes because other effective factors except of climatic ones must be considered in these studies.

Go to the picture of next page (picture 1-aerology stations place .lined places are the region with more than one thousands meters altitude.

⇒ Another disadvantage in most of the studies is that they ignore the role of adjustment process .If we accept that the climatic changes roles in the main parts of the earth system (atmosphere ,hydrosphere and lithosphere) depends on the fact that when and how they encounter with the climatic changes dangers ,so the adjustment procedures attention is one of the important issues in the analysis of climate changes.(KRUPP1995)

Investigators' tendency reason toward the climate effects investigation

Since a long timer ago,the climatic scenarios was dedicated to the universal warmth,waters levels lift and the atmosphere events increase .Economy,policy and even people wanted to know about the climatic changes effect on the human and the environment ,but now the investigation in this regard includes some other items too .One of them is the fast changes of the climate .Now a days the climatic natural changes like raining on summer ,low snowing in winter pressures the tourism considerably .So it is possible to mention that the investigation regarding the tourism depends on the climate largely .According to Mounder in 1979:atmosphers is a natural source and its condition is an important information source and if its reactions regarding the human world is understood well and the enough information is obtained regarding the atmospheric actions ,that might improve the output of many process pertinent to the climate .According to the investigations ,paying attention to the role and importance` of the climate and long term changes and short term alternations in different aspects of the tourism industry is noted largely by investigators .

Future view

if we accept the importance` of investigation about the climate changes and then we should answer this question too that what is the future plan ?in this part of the article we point to some tips that are considered important in the process of analysis of climate on tourism .

the first step is to develop the information regarding the interaction between weather,climate and tourism .Many of existing information for 52 years ago are some descriptive texts that might be considered as the base of tourist sources ,including fundamental investigational parts .

⇒ In recent studies ,the tourism needs are widely noted and in the future ,one of the new and attractive subjects for them to investigate about is the climate study in comparison with other tourism indexes

⇒ Future investigations regarding the climate changes and tourism needs some emphasis changes.In past,the main pressure was on the first type effects or the natural climatic effects because they were mainly done by the natural sciences scientists ,in a way that the share of the tourism experts was negligible in this regard .In future ,most of the investigators will be the experts of the tourism which doesn't equal with the others sciences denial ,but the attempt to cooperate between majors in a real manner .

⇒ In the future ,the second type effects will e more noted (social effects of climatic changes) which doesn't mean ignoring the firsts type effects ,but the contrary our `knowledge must be analyzed and reformed and adjusted with

new climatic findings regarding the climatic changes effects on the physical condition of tourism .For example the snow changes and tourism ski condition is now noted by investigators ,but one of the main aims of the future is to make them applicable like when we note the snow reliability word ,this will be clarified up to some amount .We usually define snow reliability as :the time duration of snow durability or the days of snow coverage .In any way ,this definition is not effective for a ski responsible and he likes to know the days of snow coverage with three centimeters of diameter and its time.So this is necessary to pay attention to these points in the future .

Second step is the definition of first type effects out of sight of tourisms and there are two opinions in this regard :

1. Can we define actual touristic `perspectives ? second level in picture two
2. Can we analyze the tourism development procedure and its different dimensions and adjust it with the future tourism condition ?

Experts believe that we must design some scenarios for the tourism future(picture one :three levels of climatic effects on the tourism).The analysis of all scenarios of the future tourism tells us what to do in the actual level and they might be the base of the future tasks .For example ,what types of developments will affect the aims and decisions of the tourism responsible and decrease the adjustment process ?This is the analysis of second type of weather changes which is noted by the investigators now and will be completed in the future because we must note the tourist responsible ideas in addition to the tourists' ideas and local population and managers and politicians involved in it in the analysis of weather effects

Another important point is the action domain of touristic responsible .We can ask these questions according to Krupp in 1995 as the starting point of the future investigations :

1. What are the tourists responsible liabilities and how important is the possible effect of weather changes for them ?
2. How much the existing scenarios are noted and what is the responsible perspective in this regard ?
3. Which pre assumptions are important out of sight of tourists responsible for reactions and happening adjustment process ?
4. What are our national authorities and what are their importance pertinent to this subject ?

Answering to these questions will make much information available for us and that might create the appropriate design for the future tourism .Also that might be a base for the international and regional agreements like the necessary criterions to reduce the greenhouse gasses and finally they can guide us to reach to the constant and appropriate development .(picture two :histogram of remained time series ,obtained from the minimum daily temperature which was measured in Potenza station .Also this picture shows the comparison for the Gusin distribution or continued lines with the zero average and the united standard deviation .

Results

the analysis of weather effect on the tourism industry is a multiform attempt which includes some very simple methods like effect method and some very complex ones like reactive method (picture three).Reactive method are not limited to the climatic factors ,but they include most parameters of adjustment and reflective effects .In other words ,they might involve the dominant physical conditions and different factors and organized structures . while now a days the climate effects on the tourism is analyzed in different aspects and levels ,but investigators are noting the climatic changes results ,but according to the issue whole this is not very logical (picture 3:reactive method ,go to the page picture).In any way ,it is impossible to comment regarding the weather changes without enough information about the weather mutual conditions ,climatic changes and studied issues and the failure of this basic study is not only sensed in the tourism ,but in most scientific cases .We must ask ourselves that how much energy and time is needed to reform and develop the analysis models of climatic changes ?according to above reasons ,we believe that the investigation regarding these basic connections is the main condition for the profitable and scientific analysis and the discussion pertinent to the weather effect on the tourism in necessary and appropriate .

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