02/09/2015
Δ Airlines
314159 Planar St

To Whom it May Concern,

Our mutual friends have informed us that you are in quite a predicament. As we understand, Δ Airlines has lost yet another aircraft which was carrying valuable cargo across the Pacific Ocean. Pardon our obtuse wording, but the rate at which your company is losing aircrafts poses a very slippery slope. Nevertheless, we are willing to offer our aid in order to recover your precious cargo. We understand that your missing plane is entirely autonomous, but somehow lost all of its communication function and is believed to have crashed somewhere in the Pacific Ocean. Coca Comap™ has devised a model that seeks to assist you in your search. We would like to provide you with a bit more context first, since we know that you function on a very low degree of mathematical knowledge.

The disappearance of Malaysia Airlines Flight 370 and subsequent search was a horrifying tragedy that outlined how truly difficult it can be to find a lost plane feared to have crashed in an ocean. International efforts were well-intended, but proved fruitless, even after a collaborative investment of approximately $70,000,000.

The seemingly infinite ocean waters pose a serious challenge when attempting to find a missing aircraft. We aim to approximate the current location of the plane wreckage by assigning probabilities to all potential locations of interest, as well as utilizing information about ocean currents and depth data. Essentially, we will create a map of where your plane could be using a mixture of mathematics, statistics, and physics.

We take this is a step further by harnessing information about existing search vehicles and technologies in order to generate the probabilities of actually finding the wreckage, given what we know about possible whereabouts of the crash. More simply, we will tell you where and how you are likely to find your precious cargo, regardless of whether it is floating or sunken.

Finally, we take all of this information into account, combine it with a cost analysis, and present you with a mapping of the expected value of searching specific areas.

In essence, we attempt to accurately model where your plane could be in real world conditions, utilize various search technologies while knowing their limitations, and provide you with a report that will basically tell you where to search if you want to optimize not only the likelihood of finding your plane, but also minimizing the cost in doing so.

All we ask in return is that you donate all the money that you save to teach young children mathematics.
Because our children are the future.
And mathematicians are people too.

Love,
Coca Comap™