Abstract

This project is about an educational trip that will give a group of Embry-Riddle students from different majors the opportunity to gain a different perspective of the Aviation industry. The project is composed of a visit to major aviation companies in two different cities: Toulouse in France and Frankfurt in Germany, with the idea to have real-world exposure and be able to compare different viewpoints, expectations, and future projects. Below are the logos of all the companies that Travelers Executive Group’s members visited.

Methodology

To measure the increase in knowledge during the trip, students were tested before and after the trip. This trip helps to show how essential site visits are. Comparing both tests shows how much students knew about the airline industry, aircraft manufacture, and the European market before the trip and how much students learn from such site visits.

Results

<table>
<thead>
<tr>
<th>Score Distribution 15-Point Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test before the trip</td>
</tr>
<tr>
<td>Average: 42.27</td>
</tr>
<tr>
<td>Lowest: 21.08</td>
</tr>
<tr>
<td>Highest: 58.41</td>
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<tr>
<td>Test after the trip</td>
</tr>
<tr>
<td>Average: 70.44</td>
</tr>
<tr>
<td>Lowest: 53.28</td>
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<tr>
<td>Highest: 90.56</td>
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</tbody>
</table>

The traveling group did not perform well before the trip. The industrial visits helped students boost their grades by 28 points! The group was too small to consider patterns based on age, degree, etc. And it was only one week!

Conclusion

Industrial visits are indeed beneficial towards a student’s career. Test one demonstrated how little students knew about this topic, and only one week was enough to boost their test results by more than 26%. This trip was more efficient than the new Airbus A350! (25% more efficient than older, similar aircraft). Now that these visits have proven to be of great benefit, student leaders and university departments should consider and support these learning methods.

Partners

Office of Undergraduate Research
Annual Fund Committee
Student Government Association
College of Business
College of Aviation
Alumni Relations Office
Office of Global Engagement
Embry-Riddle Worldwide
Project Advisor: Dr. Curtis

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Students were able to learn about different topics: Airline Management, Flight Operations, Pilot Operations, Route Planning, Customer Service, Aircraft Maintenance, Aircraft Manufacture and Sales