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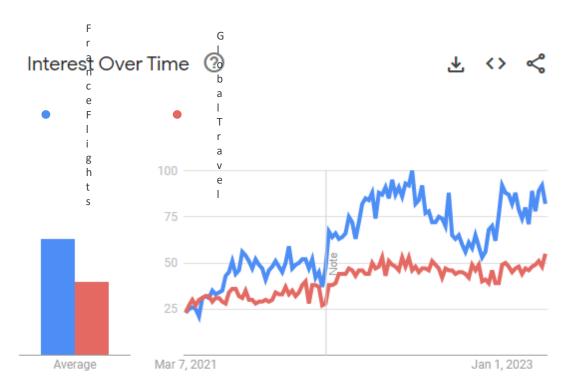
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### Overview

# **Domain knowledge**

### Growing demand for air travel



#### Google Search Trend

### Increased competition



Most recent update: Mar 2023

Source: Statista





### Overview

# **Objective**



International growth



Increase US market share



Reduce cost by keeping cost per click low



Increase campaign efficiency

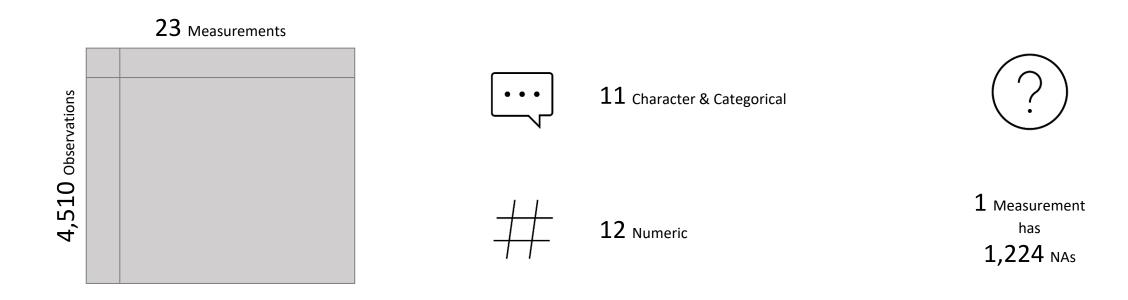




## Analytics

# **Exploring Data**

Observations are every keywords on each channel.







## **Analytics**

# **Cleansing Data**

BidStrategy Measurement Cleansing, NA goes to NO Strategy, Typo errors modified.

Original

Cleansed

Category	# of Obs.	% of Obs.	Category	# of Obs.	% of Obs.
NA	1,224	27.1%	NO Strategy	1,224	27.1%
Pos 3-6	45	1.0%	Pos 3-6	45	1.0%
Position 1 -2 Target	11	0.2%	Position 1-2 Target	285	6.3%
Position 1- 3	264	5.9%	Position 1- 3	264	5.9%
Position 1-2 Target	274	6.1%	Position 1-4 Bid Strategy	151	3.3%
Position 1-4 Bid Strategy	111	2.5%	Position 2-5 Bid Strategy	333	7.4%
Position 2-5 Bid Strategy	333	7.4%	Position 5-10 Bid Strategy	2,208	49.0%
Position 5-10 Bid Strategy	2,208	49.0%	Grand Total	4,510	100.0%
Postiion 1-4 Bid Strategy	40	0.9%			
Grand Total	4,510	100.0%			





## **Analytics**

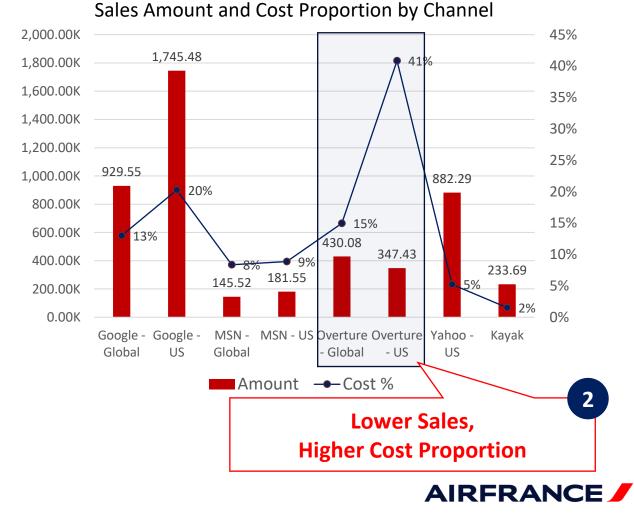
# **Descriptive Statistics**

Core Measurement's Descriptive Statistics.

### Key Business Values by Channel

Publisher Nan	ne (	Clicks (#)		Purchases (#)		Total Cost (\$)		Amount (\$)		NET (\$)		
Google - Globa	ı		72,895		797	1	20,946.71		929,	549.80		808,603.09
Google - US			192,109		1,550	3	53,640.60	1,	745,4	481.80	1	,391,841.20
MSN - Global			11,217		129		12,160.36		145,	524.25		133,363.89
MSN - US			10,808		140		16,098.49		181,	549.80		165,451.31
Overture - Glol	bal		60,899		372		64,295.86		430,	084.70		365,788.84
Overture - US			<b>11</b> 9,323		289	1	<mark>4</mark> 1,976.07		347,	433.25		205,457.18
Yahoo - US			45,598		662		46,197.82		882,	288.95		<mark>836,0</mark> 91.13
Kayak			2,939		208		3,567.13		233,	694.00		230,126.87
Total			515,788		4,147	7	58,883.05	4,	895,	606.55	4	,136,723.50

- 1 Google has the biggest volume of Revenue and Cost.
- Overture's Revenue is lower and the highest cost proportion.

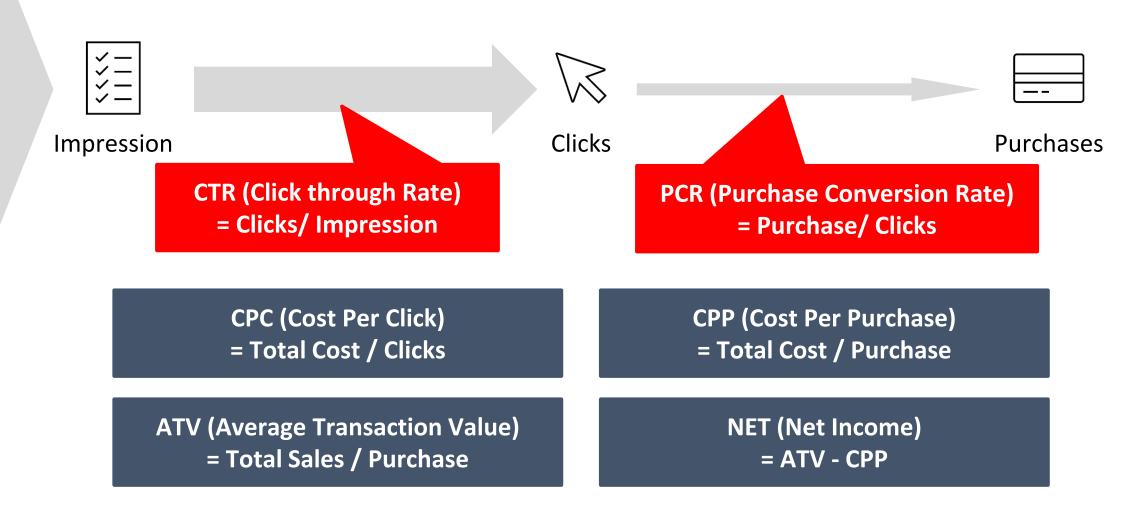




### **KPIs**

# **Key Performance Indicators**

Impression  $\rightarrow$  Clicks  $\rightarrow$  Purchases Flow is the most IMPORTANT!



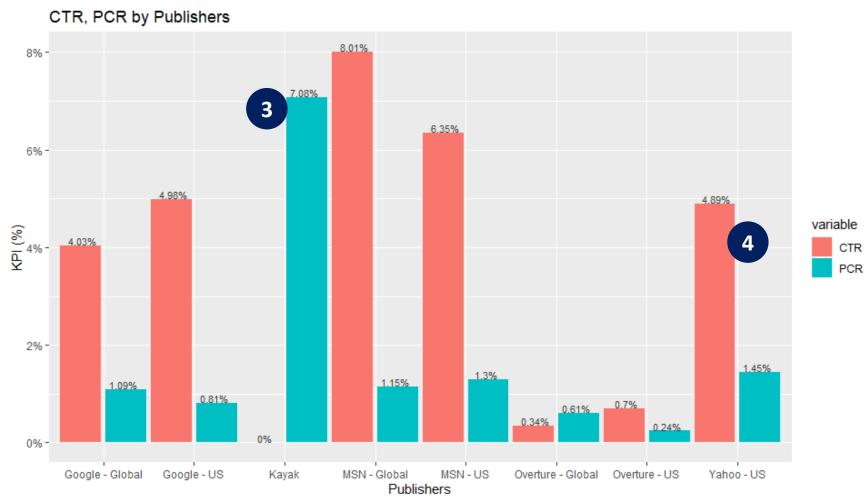




### **KPIs**

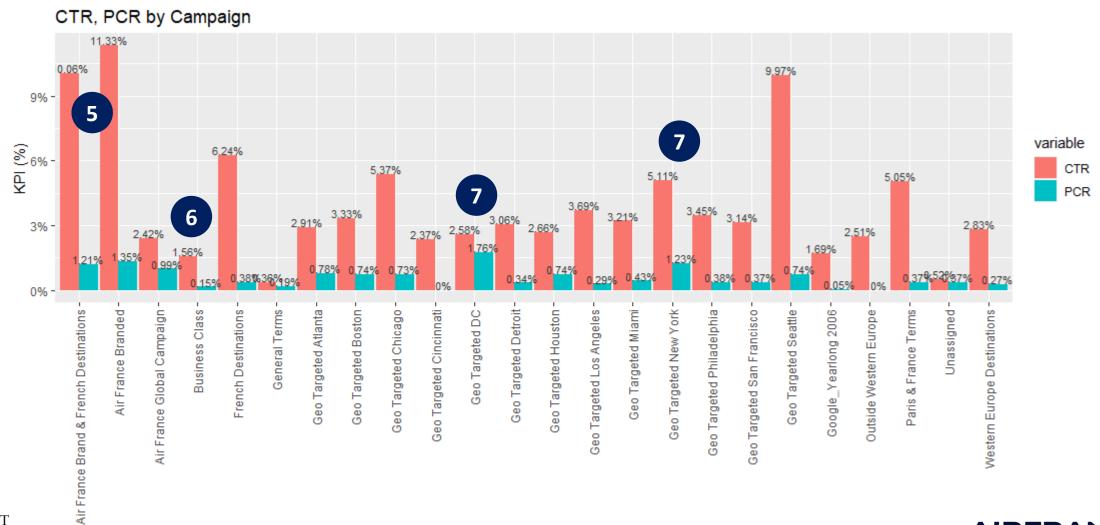
# **KPI Analysis**

### **KPI by Publisher Performance**



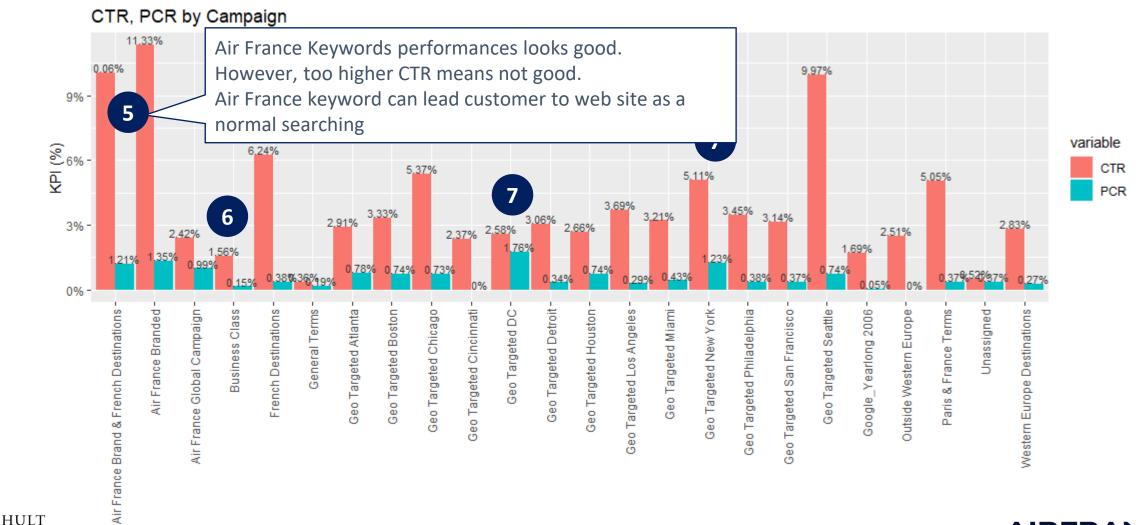
- 3 Kayak is the best performed as 7.08% of conversion rate.
- 4 Yahoo showed good performance as 1.45% of conversion rate.



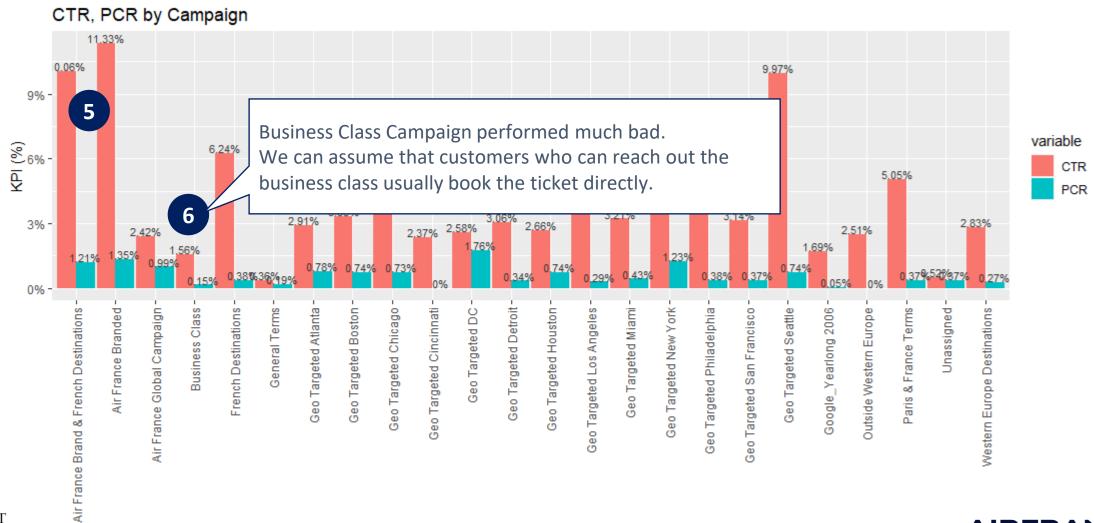






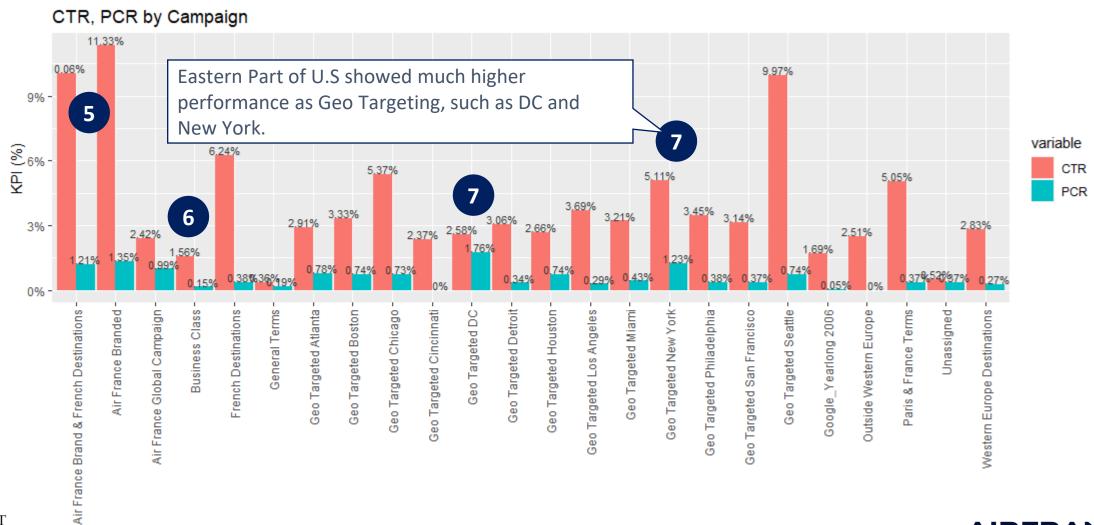
















Publisher Name	CPC	СРР	ATV	Net income
Air France Brand & French Destinations	1.51	124.48	1,128.24	1,003.76
Air France Branded	1.00	74.06	1,216.29	1,142.23
Air France Global Campaign	1.67	169.10	1,275.16	1,106.06
Business Class	4.99	3,269.05	144.50	<del>-3,</del> 124.55
French Destinations	2.28	602.27	444.55	157.72
General Terms	1.17	606.47	1,977.95	1,371.48
Geo Targeted Atlanta	2.06	265.25	170.00	-95.25
Geo Targeted Boston	2.60	349.04	719.74	370.69
Geo Targeted Chicago	2.32	316.33	1,428.85	1, 112.52
Geo Targeted Cincinnati	2.11	0.00	0.00	0.00
Geo Targeted DC	2.48	141.26	576.87	<b>43</b> 5.60
Geo Targeted Detroit	2.44	719.02	923.95	204.93
Geo Targeted Houston	2.96	398.56	1,413.04	1,014.48
Geo Targeted Los Angeles	2.62	899.99	1,091.83	191.83
Geo Targeted Miami	2.75	638.52	470.05	<b>4</b> 168.47
Geo Targeted New York	2.55	207.38	773.48	566.10
Geo Targeted Philadelphia	2.83	745.97	434.35	<b>\$</b> 11.62
Geo Targeted San Francisco	2.58	696.47	1,274.15	577.68
Geo Targeted Seattle	2.16	293.56	704.44	410.88
Google Yearlong 2006	2.69	5,463.97	1,491.58	-3,972.39
Outside Western Europe	2.77	0.00	0.00	0.00
Paris & France Terms	3.09	840.96	1,117.98	<b>27</b> 7.02
Unassigned	1.14	312.06	1,176.28	864.21
Western Europe Destinations	2.17	804.05	935.64	131.59
Grand Total	1.47	191.75	1,183.53	991.77

- Some campaigns were a huge failure in keyword marketing with negative income.

  Business Class, French Destinations, Coocle\_Yearlong\_2006
- Geo-Targeting performs well overall at some destinations.







## Strategies

### **To-be Model of Air France SEM**

**AS-IS** 

Overture's Revenue is lower and the highest cost proportion.

Air France keyword can lead customers to web site as a regular search.

Contents Inaccuracy

Cost

Inefficiency

Business Class Campaign performed much badly.

Some campaigns with negative income could have been a lot better in keyword marketing.

Google Dependency Too higher dependencies on Google.

Yahoo showed good performance with a 1.45% of conversion rate.

Kayak is the best performed at a 7.08% of conversion rate.

Well **Geo-Targeting**  Eastern Part of U.S performed much higher than Geo Targeting, such as DC and New York.

Geo-Targeting performs well overall at some destinations.

TO-BE



Strategy 1.

**Publisher Performance Optimization** 



Strategy 2.

**Increasing Cost Efficiency** 



Strategy 3.

**KPI Management** 



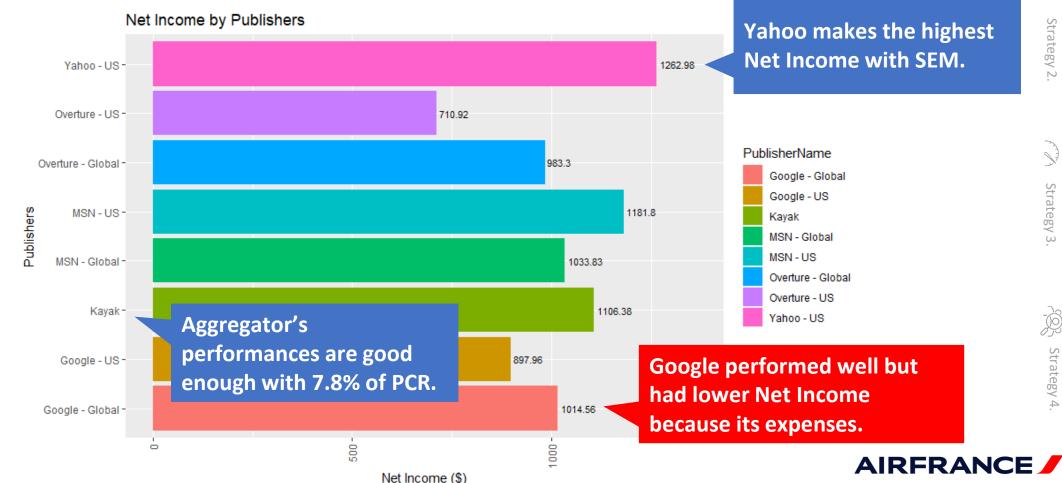
Strategy 4.

**Investigate Customer Needs-based Marketing Contents** 



# **#1. Publisher Performance Optimization**

- ✓ Keep Google, and modify budget proportion to increase Yahoo, to decrease Overture.
- ✓ Take advantage of aggregation partner like Kayak.





Strategy 2

## Strategies



# #2. Cost Efficiency

- ✓ Stop Brand Searching Keywords. It is enough for SEO.
- ✓ Investigate good and performed keywords. Take an aggressive strategy to expensive keywords, such as Paris Flight Ticket.

### Do not spend money on Brand Name Keyword

#### Air France @google search

About 2,290,000,000 results (0.64 seconds)

#### Sponsored



https://www.airfrance.us > flights\_booking :

#### Air France Official Site - Flight from San Francisco

Plan your trip with flexibility and change your flight with no additional fee. Over 1000 Destinations Worldwide. See Our Offers And Book Today! Optimised for Mobile. Exclusive offers. Secure Payment. Best EU airline - Skytrax. Over 250 destinations. Seat Options.

### **Book Your Flight Now**

Book on Air France Official Site! Fares All Inclusive, no Hidden Fees

#### Air france spring sale

Air france best flight deals Air france sale best flight deals

#### Plan with flexibility

Zero change fee on your flights Book with Air France

#### Lufthansa @google search

Lufthansa never spend money About 66,500,000 results (0.44 for self-branding Keyword.

#### Lufthansa: Book tickets online now and fly out into the world

Book flights online to worldwide destinations and enjoy a pleasant travel experience in comfort and safety. Look out for great offers and discounts.

#### Flight search

Use our extended flight search to find flights and multi-stop flights, ...

#### Online check-in

Find out before departure about checking in baggage for your ...

#### View and manage flight

Using your booking code you have access to all your flights.

#### Lufthansa

Travel ID. Unlimited access to Lufthansa Group Airlines and ...

















- ✓ Define KPI strictly, and manage periodically, such as weakly, monthly, and quarterly.
- ✓ SEM KPIs are starting point of customer lifecycle and product journey.



**PCR (Purchase Conversion Rate)** = Purchase/ Clicks

**CPC (Cost Per Click)** = Total Cost / Clicks **CPP (Cost Per Purchase)** = Total Cost / Purchase

**ATV (Average Transaction** Value) = Total Sales / Purchase

### **Keyword's performance** efficiency.

- How much does the keyword relate to Air France?'
- High: Keywords can express the company brand as well.
- Low: Keywords could not represent our brand.

### Relatedness between Customer needs and products.

- It represents campaign efficiency.
- High: Lending page and keywords can lead to revenue.
- Low: The campaign does not fit customer needs.

### **Keywords Competition.**

- Customers frequently search expensive keywords.
- Increasing: Getting popular and increasing expenses.
- Declining: Taking part in customers' needs.
- · Check CTR, PCR, and relatedness between the keyword and product to decide whether to keep it.

### **Cost Efficiency.**

- It shows the average SEM cost per one purchase.
- Increasing: Those SEM plans get problems.
- · Check CPC, CTR, and malicious clicks.

### **Product Marketing** Results.

- Average prices per purchase.
- It can be variable for marketing purposes.
- If the campaign targets family tickets, it would be higher.
- While the campaign aims to discount tickets, it would be lower.









## Strategies









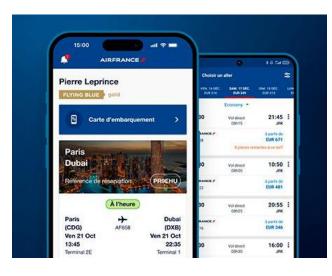


# #4. Investigate Customer Needs-based Marketing Contents

- ✓ Positioning is also essential in SEM, focusing on the customer needs of Air France.
- ✓ Air France is not an LCC. Investigate keywords related to marketing promotions, such as Student discounts.

### **Building Long-term Relationship**

- Attractive Acquisition Marketing.
- Push customers to join the membership.
- Set a goal between potential and purchased customers as newly joined customers.



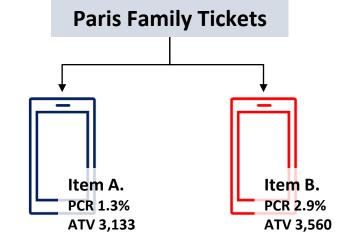
### **Strategic Price Positioning** and Specifying needs

- Cheap tickets cannot represent Air France. Use keywords such as Special Prices and Discount Benefits rather than cheap.
- Investigate lower competitive keywords, such as Weekend tickets, ASAP tickets, Family flight tickets, and Student Discount flights.



### Use A/B Testing in Lending

- Create two or more lending pages from the exact Keyword.
- Compare and manage performance between each lending page.









# Thank you

SEM is only opening the customer's journey.



