
The Best Place to *Eat* and *Drink* in the SURFER'S PARADISE

Aayush Bajaj

September 25, 2023

Theorem 1

Alfresco Italian Restaurant is the best place to eat and drink in the SURFER'S PARADISE.

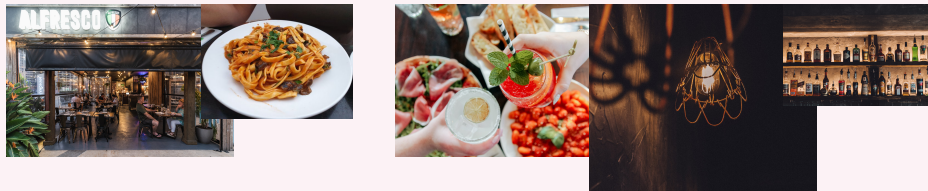
Lemma 1

Let P be the set of restaurants with affordable pricing, E be the set of restaurants with high quality food, N be the set of restaurants with good atmosphere, I be the set of restaurants with good drinks and S be the set of all restaurants with interesting culture.

Then any $u \in U$ such that $u \in P \cup E \cup N \cup I \cup S$, where U denotes the Universal set is a candidate for being "the best place to eat and drink in the SURFER'S PARADISE".

Proof 1

Let a be an arbitrary element in the universal set U , We must show that $a \in P \cup E \cup N \cup I \cup S$.



Thus by considering the family supersets of the arbitrary element a , we see that the necessary and sufficient condition holds and therefore **Alfresco Italian Restaurant** is at least one of the best places to eat and drink in the Surfer's Paradise.

