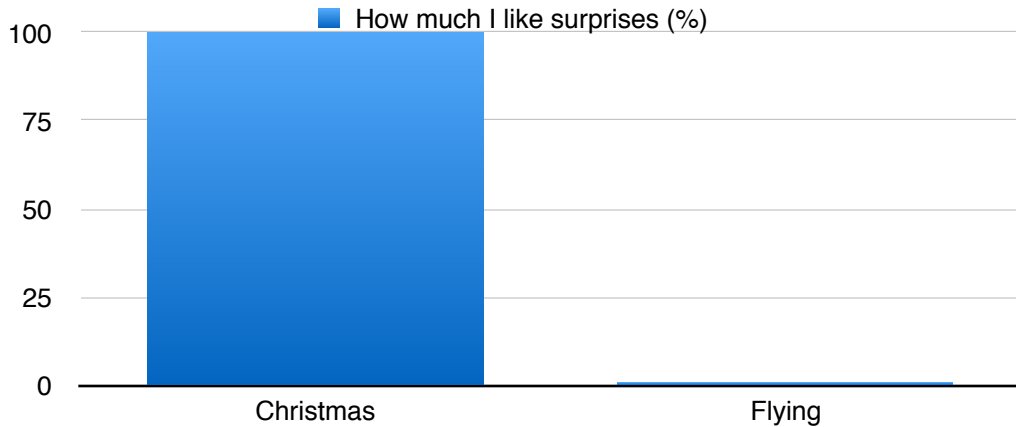


FLIGHT PLANNING

Let's talk about surprises. I'm going to make a "Surprise Table." Because I like tables. And I'm good at them.

	When I like surprises	When I don't like surprises
Occasion	Christmas	Flying

Now I'm going to make a chart to explain this further. I like charts too.



Now let's make a list of the types of surprises I don't like when I'm flying:

- Getting lost while I'm taxiing**
- Popping a tire**
- Airplane doesn't work right**
- Running out of fuel**
- Departure runway too short for takeoff**
- Trees too close**
- Airplane too heavy to fly**
- Airplane too nose-heavy to climb**
- Airplane too tail-heavy to land**
- Clouds too low**
- Mountains too high**
- Thunderstorms**
- Hail**
- Freezing rain**
- Can't see much**
- Getting lost in flight**
- Too tired to stay awake**
- Getting dark too quickly and can't see anything**
- Destination runway too short for landing**
- Weather at destination too crummy to land (winds, visibility, thunderstorms)**
- Landing at the wrong airport**
- No fuel available at destination airport for my trip home**

Wow, that's a long list!

How do pilots avoid these surprises? By planning.

Situational Awareness Planning: (physiology, pilot skill and training, airport awareness and navigation...)

Getting lost while I'm taxiing

Mountains too high

Getting lost in flight

Too tired to stay awake

Getting dark too quickly and can't see anything

Landing at the wrong airport

Fuel Planning

Running out of fuel

Weather at destination too crummy to land (winds, visibility, thunderstorms)

No fuel available at destination airport for my trip home

Preflight Inspection

Popping a tire

Airplane doesn't work right

Performance Planning

Departure runway too short for takeoff

Trees too close

Destination runway too short for landing

Weight & Balance

Airplane too heavy to fly

Airplane too nose-heavy to climb

Airplane too tail-heavy to land

Weather Planning

Clouds too low

Thunderstorms

Hail

Freezing rain

Can't see much