

**Berkeley Engineering** 

Advertising and the Autonomous Car Where there is Disruption, there is Opportunity

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## Free Personal Transport Through Adverts !







# Flow

- How do we get there ?
- When do we get there ?
- Who is there today? (Current Lansdcape)
- Why will this change? (Coming Disruptions)
- Caution Ahead! Legal/Regulatory Issues
- What can be done? Investment Strategy
- How do we assess? Ad Network Capability Score
- What's it Worth?
- How we take advantage? (Opportunity)





### How Do We Get There?







# When Do We Get There?









# Why This Will Change?

Cars



- Competition
- Minimum cost wins
- No cab fare if watching ads



#### Ad networks



- Poor ROI today
- Destination info, profile are wealth of personal info
- Advanced data analytic
- AR & VR technologies

#### **Content partners**



- New market
- Suitable content for rideshare
- Dynamic ad insertion





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# What Can Be Done?

Company	Autonmous cars expertise?	Ad networks?	Streamable content – owned or partnered	Retail relations?	Mobile apps capability	AR/VR capability?	Investment or M&A experience ?
Google	1	O DoubleClick	Fried	1		1	1
UBER	1		1	$\mathbf{\overline{s}}$	1		
TESLA	1	$\mathbf{\overline{x}}$			1		1
eapple	1	$\mathbf{\overline{\mathbf{S}}}$		1			1
facebook	$\mathbf{\overline{x}}$	1	$\mathbf{\overline{x}}$	$\mathbf{\overline{S}}$	1	O oculus	1





## How Do We Assess?







# What's It Worth?

- It's generally accepted that 2020 will be the time autonomous cars become a major force on the roads.
- Between 2018 and 2020 control of the in-car ad network will change.
- Mobile Ad Spend to top \$100B worldwide



As such, its is expected that main driver between adverts as supplemental compensation to a main revenue stream within a P&L could occur in 2018.

\* The total value of the global real-time mobile location-based advertising and marketing (LBA) market will grow from \$1.66 billion in 2013 at a compound annual growth rate (CAGR) of 54 percent to \$14.8 billion in 2018, according to a research report from the analyst firm Berg Insight. http://www.eweek.com/mobile/location-based-advertising-market-to-hit-

nearly-15-billion-by-2018.html





### How We Take Advantage







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