Unit-3 AI fon Manketing Continued

Using AI to Get Their Attention - Market Research: whom APIR We Affer ?, Market place segmentation, Raising Awareness. , Social Media Engagement, In Real Life, The BZB World, Using AI to Persuade. The In-Stoole Experience, on the Phone, The Onsite Experience—Web Analytics, Merchandising, Closing the Deal, Back to the Beginning: Attentibution

Market Research: Whome Asie We After? =

Market energearch began are a means of identifying just how blg the market place is for your new invention in special strupp.

permographics were needed by gadio and to stations to describe there audience to potential advertisement.

Age, genden, education level and the like within a specific territory were the first data tools. Market stepach through telephone interviews shopping mall clip-board surveys, and direct mail suspense lowered the silve of invertible.

WI in Warked brack sterrasty:

In 1937, the Nottonal Association of Marketing Teachers (founded in 1915) and the American Marketing Society (Sounded in 1933) Joined to

become the AMA-American Marketing Assocration. In 2004, the AMA defined the marketing gestarch.

"The function that links the consumer, customer and public to the marketer thorough information Proposimation used to identify and detine markets oppositionities and perpolemo; generale, resone, and evaluate marketing actions; monitor marketing personnance; and improve understanding of moskethy as a polocess.

marketing sterearch specifies the information required to add ster these brues, designs the method for collecting information, manager and emplements the data collection papocess, analyses the gesulta and communicates the findings and their implications."

the AMA . 96 working with Equals 3's Luy, book of IBM's watson, to develop the AMA's next generation marketing superhero.

I big potoblems in the Marketing Industry?

(8) Effetively targeting high-value sources of grow (8) The role of marketing in the firm and the c-suite

(PRO) The digital telephone of the modern composition.

(80) Generating and using inrights to shape marketing practice.
(v) Dealing with an omnichannel world

(vii) Competing en dynamic global marketor.
(vii) Bajancing inversemental and radical innovation

In market nessearch, identifying your target audience is convious for effective marketing, itorategles.

spemographic information.

-) Psychogoraphic insognation

Behaviogal Insognation.

-, Needs and Pain Points.

-> Competitive trodys Pr.

-) Market segmentation.

Marketplace Leg mentation:

market segmentation also called a customer probabling is a marketing starategy which involves dividing a board target market into subsets of consumers, businesses (on countriess: that have, on are perceived to have, common needs, interrepts, and parioristies, and then designing and implementing starategies to target them.

Market segmentation starategies are generally used to identify and tray their desine the traget contomorie, and parovide suppositing date for marketing plan elementar such as possitioning to achieve certain marketing plan objectives.

ML delivers personal perofiler into segmentation "buckets" which can be peredefined (on automatically machine generated.

byname market segments are then sized and participationitized based on the untapped encremental are vente appearantly.

MI can also slice and dice customer date sets to Edentify potential new segments of customers

who age undermonetized relative to their people ML import plantify how the behavior of a region (on country varies from the global horm and requires a specific product a scorting traget aggregator customer data from a variet of online and ossine sources, including well and app analytics, ERM-Customer Relationship management databases (and internal freing entyprice regown ce planning (ERP) and data was house (but) systems.

Social Medla Monitoring.

Relevancy:

Content is something AI is good at given enough data. This is a relatively stappinght soaward problem to solve.

Authority:

"Inflyenced marketing" has come into its own as a specialty. Ask a mainine to determine who has the most inflyence, and the definitely some clarification.

Influence doesn't have to be war it laye to be effective. It can also be influence on an intimate level.

gokla a breat is stell and are

sentiment:

coredibility, and simply tracking ratings may be fine for some.

Sockal media monitoring is very reliable for Ayantity of mentions

intiment analysis systems try to imitate numans only agolee about 80% of the time.

of the form text. Every the total forms of form text.

ompetitive Analysis:

and were text based data. The data has been organized into different groups. Build provider a narger of different perspectives on the data.

market segmentation is the polorers of dividing a bospood consumer on business market, nonmally consisting and potential customers, into sub-goloups of consumers known as segmente based on some type of shaded characteristics.

Raising Awayeness:

Public Relations:

olet to know the proper journalists at the peroper publications and encourage, cajule and coax them to write positive articles about the peroducts and sharites on offer.

With an unmanageable number of potential "publications", the task must be automated and the industry of Affreyentiating public relations visibility by dividing it up into paid, earned, though and owned medla.

pormo & borned - shared - owned

Distect Response:

The ability to the tightly measure the response to a direct mast piece was music to the ears of marketons who depended on terrons from their predecessor, painful personal expens

Database Marketing: The direct marketing industry was quick to dive into computers because its actions were not based solely on coreative genius like bon Day Direct marketing people had actual behaviogresponses to match up to specific names and aggale rect.

Advertising:

The buying relling and placement of ado only was ripe to be automated dup to the overwhelming amount of options and decision that need to be welghted when deciding when to buy and space.

Banney Ado: In oct-1994, AT&T placed the very froyt banner ad on the Internet

while search has made Google one of the most energy search companies in the world, programment advertising has become the least understood.

Intelle Ado one personalised on neal-time Log each individual consumer, every time.

we determine the best performing ad, brighting messaging and paroduct selections in milliseconds every trine we see a consumer.

brane + transles borron 3 be blife

porogorammatic Corective: containly not every advertised is going to yan thousands of ado in each compaign, One retail client can putentically generate 80 quintillion corective ado en a weekly basis. bolodorumunatic ITA: bata gathered OTT-Over The Top is how now used to plan and buy TU time. The Phoomation collected by dranker kept by hand by household was supplemented by duta collected on set-top-boxes of cable companies. PPC-Pay Per Click search: search has become the primary supplier of customen intent. The abilities that ML affords PPC efforts gives extoraordinary power to an entire endustry of PPC parobersionals and darop billions of dollage to Google's bottom line. Companier like Amazon try to put their adr outcomer based on actual scales and profitability oresults. Even automotion has a tough time tracking hundreds of thousands of keywords and phrases in real-time Search Optimization: aka content marketing. The other side of the sewith coin is "organic" on unpoid secretto.

The has given nise to the content marketing

movement where marketers have become publish egs.

Content Management: Image Matters

Other technologies are in the picture to help you with your pictures on even used generally content.

Insiniggraph will help you pick the best thimbing des your video.

Printegest so working with visual reagnition in photos to help you buy things you see in Preaf life.

> Content Consumption Analysis 1

Social Media Engagement:

Monitoning social media to get a clear picture of what the market place is saying about you to one thing. Engaging with social media es another.

One is a passive, obsequational task, the other is reaching out reactively for prioactively to engage people where they tweet.

Social Snooping: Want to get a clear picture of the environmen young customers inhabits.

Sales force com acquirged DL startup MetaMind in April 2016. to what won't it

So Cray boto:

AI can help you sind people, signing out what they up to, and what interests them. It can also help you communicate. Welcome to the would of boto. Since ELIZA, in the mid 1960s, computers have b tought to imitate human communication.

Lots of bute answer strafght questions with prewritten arguers, but hand over a Twitten prewritten association, torain it well, and you have the equivalent of a voice response system at a call center.

social bots age steating to take on the Turing Tept with modest success, but in time they will be able to prepare sent your borand as a sixyt line of defence.

social losting:

AI can help you kind people dequote out what they spe up to and what interests them, and help you communicate. It can also post on your behalf. Combine an intelligent social opent with wellmanaged content and you might spe come up with some thing like Echoboxio Larry.

Lovery analytes your history i'cal and neal-time data to coreate an entire social media strategy for you.

social media advertising can respond to trending topics being discussed who your friends are at the moment, and adjust based on your mood. Mobile advertising can be based on the location of the individual down to the specific, they are standing in while in your store.

In Real Libe:

Symmitsync plays matchmakey at consequencer, sinding the best match for intopolychions across multiple attenioners not gut industry and city. Ampsy uses hyper-local geofencing to catch publically shared content at a given location at a given time.

a husinoso consessence, sporting event concest and Social media engagement in real life returning to strategy that boundary the gap blue online integrand sical-coords experiences.

UG(-0500) Generated Content

The B2B World ?

Totale magazine advertising, confrontle booth day, affect mapped to the vice president of (wholever), posspecting on the phone, lead management, properties management. These one the content management services.

B2B- Business to Business

ABM-Account Based marketing systems were developed to topack entire committees of cross functional evaluations. From the same from 60 account. The goal is to topack group behavior within each organization to determine who might be more interested in the apply teatures of a product

Lead Scooping:

with thousands of leads, the sales team needs to know which to neach out to sirst.

Totalittonal lead scooling would artign more pain with higher weights to those who had viewed a video, requested a demo.

In an estant to improve and parionitize leads made accumpately, the second generation of lead scorling added math and paredictive modeling to the lead-scorling approach.

Popedictive intelligence ther together billions of nows of third-posty data from searchiblego, publishers unbilter, online communities,

buyer's guides -places where BZB buyers research products and respires and connects that time-schilties, internal data to customers , internal data sowices including CRM, marketing automation and weblogs.

Saler Management Advisory:

while sales steps track accounts sales managers

DIY Some Models are viety:

The strategic Marketing Organization at Cisco systems started building predictive models back in the mid-2000s to guide sales report in their prospecting.

In the BZB world, effective engagement revolver around building storong relationships, demonstrating value, and addressing specitic business needs.

In the BZB world, successful engagement involver demonstrating expertise, providing value, and nutrituring relationships over time

Using AI to Peophage:

Acquisition - Untargeted Payomotions - Good Turgeting
Attact Warang People Parsuagion
Frequention - Inestecting
Conversion

Good Pegsyagion

Nois GOND LEON

Good Perygonion

TATIO DE P

The Customen life lucle Funnel

The matural progression was always the same Stranght line: -> Suspect -> Prospect I audified bead I not lead - Negotiating - classed. BZC consumer journey for not a straight path. It wanders from channel to channel and not Pr a specific sequence. (3) Commerce (8) Pale-Emmerle Engration -Consideration Influence Loop Enperience Awayeners (1) toymulation (4) Post-Commerce The In-Stone Experience: Walke Porto a store and the deak responds to lots of bits of intograption. - Age - Gendey -> clothing Ayle -> Hair style -> Integret expressed by body language. Retailers have also added technology to capture wonted est exposersed by the path shoppers take thorough the Stoop. Digital Mostag offens an in-stoge customer togacking system wing video and wiff-tracking. Store pertonmance evaluation, store layout assessment , and stassing optimization age on the meny along with cuptomer case.

THE CONFORMAN LIKE GIVE FOR

complete with oneline apper the AI renabled stonge smoother online to apper that are entended stong for stone pickup on allowing people to buy online and online and online and online

DE able to manage hegh-dimensional data.

DEGRELL MOSITIVE SYSTEMS ase able to desersentiate customers com stass in order to monitor both without mexing them up to Pgnoning them altogether.

shopping Assisstance:

Satisfy Labor has expected a location-based intelligent engagement platform that can capture customen intentions essentiments exections, and needs to delive sales.

People should be able to interpact with technology the same way they cart in neal life.

Storle Obortogies:

with customers fully analyzed, its time to turn our attention to the store Pools, structing with layout as an obj of optimization.

using AI to enhance the an-store experience and persuade customers shootness everaging technology to persuadize interpactions, streamline processes, and create memorable experiences.

On the Phone of the pringer

Thorough a combination of volce-to-text NLP, and ML 18to now quite nearonable to glean meaning snow telephone calls.

Dynamically generated telephone number 5 perpoint

the paramotion (in the landing page to a given call with a specific cookie.

If you see an ad and make a call they know

which ad you saw. Invoca can cosystate calls to web pages visite keywoodds seasiched, and posevious degital marketis engagements, all while the phone es still stinging The system can be used to Pdentity the called and offer a paperaity to-buy rating, correlate outbound paromotions with inbound calls, and help guide manketing spend, even to the point of triggering a marketing automation waskflow Using AI to persuade customers over the phone Envolver leveraging technology to enhance communication, porovide personalized experiences and drive desired actrono.

- NLP

-) Voice Assistants and chatbook

-> Predictive Analytics for Cytomer Insights

-> Speech Recognition and sentiment Analysis.

-> call Routing Optimization.

- Dynamic scaleting and Pegsonalized offers.

-) Automated Follow-Ups and CRM Integration.

-) Continuous Learning and Imperovement.

By integrating AI technologeer into phone interactions, businesses can improve sales esticiency, deliver personalized cuptomes experim and ultimater increase cytomer satisfaction and retention rater.

The engite Experience - Web Analyther: The Internet was a brieghtholough because of one technical insight. one telephone called used to be connected. another ever a switched n/w. Thenk of muke of absorptions wannalla Euresitina a wine into a plug-board physically connecting the called over a switch. In the 1970s, packet switching wers employed. to move intermation-which could include voices from one computed to another without the need dog a central controller. Packets of data Enclude from and to addresses as well as a sequence number. If packets age missing , they can be requested by the recipient machine to sell in the blanks. The very nature of this technical underprining gave risk to a sield called web analytics. when asking boy a specific page, the byouther thates the following with the staver: of time and date not him and post of a olegest addoness + Domain name tos and vergion a Barocokal tabe and rearried >> Pages Requested the ingostmetion Enembed from a fack of weller. I request come solow an Is applied to la book was Ant, and then the connection was lust.

Cookies were developed to remember a visilly

Page-tagging technology unlocked a great deal of all itional endormation about visitority experience and behaviors.

Page tago can collect dynamic indograation.

Other lata collection techniques included stemembering a belowsen to singerpoint: the make and version of the browsen the os version, the specific pluggers activated and is on.

Landing Page Optimization:

The customen emperience is hard to manage in the wild. Perospective customens are clicking, Scarolling, tweeting, and watching, but the when they come to gown website and hit that landing page, you have a lot of layers gow can push and pull to change their behavior.

ALB and MultivanPate Testing.

All tyting is every web managerle desem. It is simply send 90% of your web trustic to the usual page and 10% to a variation. Multivariate testing is much the same, but rather than head-to-head contests, multivariate testing seeks to discover which combination of elements works best.

sentiment Ascend user a general algor to general web-page candidates to be stronge topped.

Simulated general operators such as consover and mutation. as one then performed.

onsite Usea Enperience:

session Apply Accords cush mouse onovement and circle and can quickly reveal where the user wo the website went wrong.

session am capturer and analyzes excorded wisher to your website to highlight the highest value issues from using a customer struggle score.

Recommendation Engenes:

Amazon was the first to bring us the I-llick button, a ground breaking convenience sus the online they were also sirist to popularize the online recommendation.

porsonalization:

One-to-one manketing has always been just out of speach.

HSN-: Home shopping network user IBM's watron to person dize across devices.

web analytics for onsite experiences involved using data to understand how were interact with your website on app.

All tests age used to compage dissessent versions of mep pages. so dements to determine which personnent.

Megchandising:

Rather than a static minture of stone layout and product assortment, digital merchandising be a dynamic display, moving every closen

to one-to-one per-person persuation.

Attempts at dynamic pricing have upset consumers.

Dynamic parice optimization is extremely demand when it comes to individual products as the products are subject to dissertent price elapticity the dispect sinantial benefits associated with a price planning and optimization. Solution can be attractive.

Market Barket Analysis:

In one (on more implementations, a model of shild is usable to compute a likelihood of a given intomed that beaver an anline shopping with unparhaped items in an a online shopping cost will asturn to purchase that destructions a thought destructions.

To build the model historical data that describer online stone intractions and attailbutest of un punchased terms in online shopping early or collected ton other customers that have abandone online shopping costs.

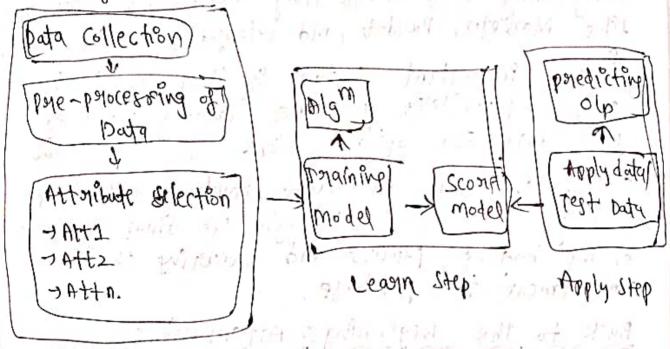
Using the model, data collected sog a sexherquent customer that har abandoned an online shopping cost. Re Plp and the 18 kelihood of that customers to stetuent to purchase unpurchased Ptems is returned as olp.

Based on the computed likelihood, the cytomer may be associated with distinent adventising segments that consesponds to distingent marketing strategier.

merchandispag involves the planning, promotion, and presentation of products in retail envisionments to maximize sales and profitability. It also enhances bound perception and customer satisfaction.

closing the Deal:

the marketed must decide where to invest serousces. The classic conversion funnel imaginer tons of people at the top, exposessing some soft of interest.



Initialization
Step

Islam's by Framework

The conversion funnel es a useful analogy at first, but no linear customer journey fits inside a funnel.

Google Office smart Goals as part of theler

smoot Goals uses ML to examine dozeno of signals about your website sessions to determine which of those we most likely to negult in a conversion.

Remarketing:

E-mail northeting:

E-mail is the workhouse of Integrat adapts

Once you have an individual's email address

and permission to use it -you can home you

message to stimulate the desired enesponse.

Rather than relying on website activity and chick-through rater, converse engages in real. conversations with leads and shapes their actual responses.

Integrating with marketing automation platforms
19ke Marketo, Pardot, and Eloque Po table stakes

Another Pripostant dactors to that marketing seavice populaters are not limited to using your data soa optimization.

closing the deal in sales involves effectively guiding a perospect though the final stages of the buying perocess and securing their commitment to purchase.

Back to the Beginning: Attribution:

Attentibution to one of the most hotly contested concepts in online marketing and the one we sincerely hope AI can resolve.

Top-down marketing min modeling and bottom-is web analytics both tackle the same peroblem.

Google Analytico offero 7 dissement attaileution

> Lost Interaction

-> Last Non-Digect click

way last Adwards Click all rom are son to

- Frongt Introjaction

-> Lineay

-1 Time Decay

- Position Based

protect manketing channels don't darline uses behavior independently, but in combination, and also interpreted with each other.

create principles was

Them os Englishing der pue elepour hostraglette

occaroption6.

in data science be a cofficial step on making optimization work.

one of the biggest peroblems with turning all this data into a true cross-channel optimization quest is the need to integerate marketing

functions and openations.

An intelligent ML algor is the only way to get a totally accompate stepstessentation of what is a highly varying weighting calculation.

The every changing landscape of audience targeting and manketing means that any applied model thould be able to iterate. constantly, and differently from one busines to the next.

Attailbution in manketing steads to the parocers of identifying and assigning caredit to the various touch points and channels that contailbute to a desired outcome such as a sale on conveysion.

It helps marketerns and existend the effectivenes of

Feach manketing effort and optimize their

Typer of Attolibution Models?

First touch: Coredity the first interaction of customer had with your borand of the conversion.

Last touch: Credity the lost interactions become

Linear: Distopibutes execute evenly across all entergactions leading to the conveyton.

Time Decay: Giver moste credit to introductions cluster in time to the conveysion.

position-Bajed: W-shaped
Gilver credit to the first touch, lust
touch, and assigns some credit to.
interpactions in blw.

Data sources for Attail button:

Analytics Platform: Use tools like Google Analytic Adobe Analytics, on other marketing automation platforms to track and analyze user interprets CRM systems: Integrate customer relationship management systems to topack leads, oppositionity and sales conversions.

Ad Platforms: Utilize data from advertising platforms (eg-Google Adol Facebook Ado). to track ad interactions and conversions.

glosty or deal survivor for get get in it while

· notification

Towns of the sold buretene and a feet will be a sold of