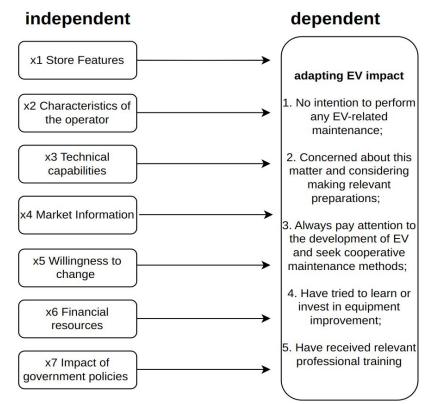
How do traditional auto repair shops cope with the shift to electric vehicles?



X: "Factors that may influence or explain the transformation strategies adopted by repair shops"

Y: "How repair shops are adapting to the rise of electric vehicles" Measured by specific quantitative indicators:







Quantitative Data - Questionnaire

	No	Question	Fill in
	•		
x1			
-	Q1	Store name (optional)	
x1			
-	Q2	Location	\Box North District \Box Central District \Box South District \Box East District
x1			\Box Less than 5 years \Box 5–10 years \Box 11–20 years \Box More than 20
-	Q3	Years of store establishment	years
x1			\Box 1-3 people \Box 4-10 people \Box 11-30 people \Box More than 30
-	Q4	Store size (number of employees)	people
x2			
-	Q5	Age of the operator	□ Under 30 □ 31–40 □ 41–50 □ 51–60 □ 60 and over
x2			□ High school/vocational □ College □ University □ Master's □
-	Q6	Highest educational level of the operator	Doctoral
х3		How many years of experience does the	
-	Q7	operator have in automobile maintenance?	\Box Less than 5 years \Box 5–10 years \Box More than 10 years



Likert Five-point scale: 1. Strongly disagree 2. Disagree 3. Neither agree nor disagree 4. Agree 5. Strongly agree

	No.	Question	Fill in
x4-	Q8	I think electric vehicles will gradually replace traditional gasoline vehicles.	□ (Five-point scale)
x4-	Q9	The popularity of electric vehicles has put pressure on the operation of my store.	□ (Five-point scale)
у-	Q10	I am interested in learning electric vehicle maintenance technology.	□ (Five-point scale)
у-	Q11	I think transitioning to investing in electric vehicle maintenance is the future trend.	□ (Five-point scale)
у-	Q12	We have started to collect information on electric vehicle maintenance.	□ (Five-point scale)
у-	Q13	Employees have received relevant training on electric vehicles.	□ (Five-point scale)
у-	Q14	The store has purchased some of the equipment needed to repair electric vehicles.	□ (Five-point scale)



Likert Five-point scale: 1. Strongly disagree 2. Disagree 3. Neither agree nor disagree 4. Agree 5. Strongly agree

	No.	Question	Fill in
x5-	Q15	We are willing to establish cooperation with electric vehicle manufacturers or suppliers.	□ (Five-point scale)
x5-	Q16	Our store has the ability to further transform into a provider of electric vehicle maintenance services.	□ (Five-point scale)
x4-	Q17	Lack of relevant professional skills and training opportunities	\Box (Five-point scale)
x6-	Q18	Insufficient funds to purchase new equipment	□ (Five-point scale)
x6-	Q19	Customers have not yet expressed their demand for electric vehicle repairs	□ (Five-point scale)
x7-	Q20	Lack of relevant government subsidies or guidance	□ (Five-point scale)
x7-	Q21	Unable to grasp market and policy changes in real time	□ (Five-point scale)

Qualitative Data - In-depth interviews



No.	Interview question	Notes/code classification (for subsequent analysis)
Q1	How long have you been engaged in car repair? Can you tell us about your background?	Experience Background
Q2	What do you think about the impact of electric vehicles on the maintenance industry?	Cognitive attitude
Q3	Does the store currently have any plans to invest in EV repairs? What is the biggest difficulty you encountered?	Strategies and challenges
Q4	Are employees currently receiving relevant training? Is the device updated?	Technical capabilities
Q5	Have you tried to cooperate with external organizations (such as manufacturers, schools)? What are the results?	Collaboration Resources
Q6	<i>If you had more resources, which problem would you most like to solve first?</i>	Resource requirements
Q7	What is your opinion on the subsidies and policies currently provided by the government?	Policy Perception
Q8	How do you think traditional auto repair shops should position themselves in 3-5 years?	Future Outlook



What we hope to gain from this study

1.How many maintenance plants are ready, are preparing, or do not want to change, or simply give up?

2. What are the main factors that influence their behavior?

3.Are there different impacts depending on the region, scale, and age of the operator?