TEAM ---

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QUESTION ---

How has globalization influenced the gender representation in global art institutions, and how does this interplay with the nationality of artists in shaping the network dynamics of artist exhibitions from 1980 to the present?

DATA ---

Data Extraction:
- Extract essential data from the CSV file, including artists' names, nationalities, genders, details of exhibitions, and information about exhibiting institutions.
- Prioritize data relevant to understanding gender representation and the nationality of artists within the global art scene.

Data Cleaning:
- Ensure accuracy and completeness in the gender and nationality categories, crucial for the analysis of gender representation trends.
- Address any inconsistencies or missing values that could impact the analysis, with a particular focus on data relevant to gender and nationality.

Dataset Structuring:
- Organize the data into a structured format conducive to network analysis.
- Represent artists and institutions as nodes, and exhibitions as edges within the network, with particular attention to gender and nationality attributes.

Analytical Methods:

Descriptive Statistics:
- Calculate the proportions of artists by gender and nationality, establishing baseline diversity metrics within the dataset.
- Track changes in these proportions across different time periods to identify trends in gender representation and the impact of artists' nationalities.

Network Analysis:
- **Degree Centrality:** Assess the connectedness of each artist and institution within the network to identify key influencers, focusing on gender and nationality disparities.
- **Community Detection:** Identify clusters or communities within the network, highlighting potential regional or thematic groupings influenced by gender and nationality.
- **Betweenness Centrality:** Determine the role of artists or institutions as connectors within the network, focusing on how gender and nationality influence these bridging roles.

Exhibition Patterns:

- Analyze the distribution of solo versus group exhibitions over time, considering the gender and nationality of artists to understand visibility and representation trends.

Visualization:

- Utilize visualization tools to create graphical representations of the network, emphasizing gender and nationality aspects.
- Visual analysis to uncover global patterns, trends, and potential anomalies in gender representation and nationality impacts.

Comparative Analysis:

- Contrast network properties across different time periods, artist nationalities, and genders to investigate the evolving impact of globalization on gender representation in the art world.

LITERATURE---

Globalization Theories in Art and Cultural Studies:

- Appadurai, A. (1996). "Modernity at Large: Cultural Dimensions of Globalization." This work's insights into cultural flows across borders can be applied to analyze how these flows impact gender representation and the diversity of nationalities in the global art scene.
- Bourdieu, P. (1993). "The Field of Cultural Production." Bourdieu's concepts can be employed to understand how gender and nationality influence power dynamics and capital distribution in the art world, providing a framework for analyzing globalization's impact on these factors.

Art Worlds and Networks:

- Becker, H. S. (1982). "Art Worlds." Becker's examination of the collaborative nature of art production offers a lens through which to view gender and nationality dynamics within global art networks.
- Castells, M. (1996). "The Rise of the Network Society." This work can provide a macro-sociological perspective on how network structures in the global art scene are influenced by gender and nationality considerations.

Artistic Representation and Diversity:

- Rees, A. L., & Borzello, F. (2001). "The New Art History: A Critical Introduction." This book can shed light on how the representation of different genders and nationalities in art exhibitions has evolved in response to globalization.
- Fukuda-Parr, S., & Messineo, C. (2012). "Human Rights and Statistics: Getting the Record Straight." The methodologies for analyzing statistical representation can be applied to study nationality and gender representation in global art exhibitions.

Sociology of Artistic Networks:

- Urry, J. (2003). "Global Complexity." Urry's discussions on globalization and complex systems can inform the analysis of the art world as a complex, transnational network, especially focusing on gender and nationality.
- Crane, D. (1987). "The Transformation of the Avant-Garde: The New York Art World, 1940-1985." This book can provide context for shifts in network structures and dynamics within the global art scene, emphasizing gender and nationality.

Network Analysis Methodologies:

- Scott, J. (2017). "Social Network Analysis." This resource will be central to understanding the methodologies of network analysis applied to global art networks, with a focus on gender and nationality.
- Wasserman, S., & Faust, K. (1994). "Social Network Analysis: Methods and Applications." This book offers quantitative methods for network analysis that can be adapted to examine global art networks, specifically in terms of gender and nationality representation.

PLAN ---

Step 1: Literature Review

- Conduct a targeted review of articles and texts discussing globalization, diversity, and network analysis in the context of the global art field. Focus on gender representation, nationality, and their intersection within global art networks.

Step 2: Data Extraction and Cleaning

- Extract pertinent information about artists, exhibitions, and institutions from the CSV file.
- Prioritize the accuracy of data related to nationality and gender, along with exhibition details. Ensure that the dataset is clean and consistent for reliable analysis.

Step 3: Descriptive Statistics

- Generate statistics to analyze the distribution of artists' nationalities and genders.
- Create a chronological distribution of exhibitions to track trends over time, focusing on changes in gender and nationality representation.

Step 4: Network Analysis

- Conduct network analysis to identify key nodes (influential artists and institutions) and their connections, with emphasis on gender and nationality aspects.

Step 5: Visualization

- Create visual representations such as pie charts to illustrate diversity (gender and nationality) and line graphs to depict temporal trends.
- Develop a simplified network diagram that highlights important connections between artists and institutions, emphasizing gender and nationality.

Step 6: Analysis and Interpretation

- Analyze and discuss the observed patterns in diversity and network structures, making connections with the literature review where relevant.

- Highlight notable trends, changes, or consistencies in the art network as they relate to the effects of globalization, with a focus on gender and nationality.